

# 2026 Product Solution Guide



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DARVEEN

2026

Product Solution Guide



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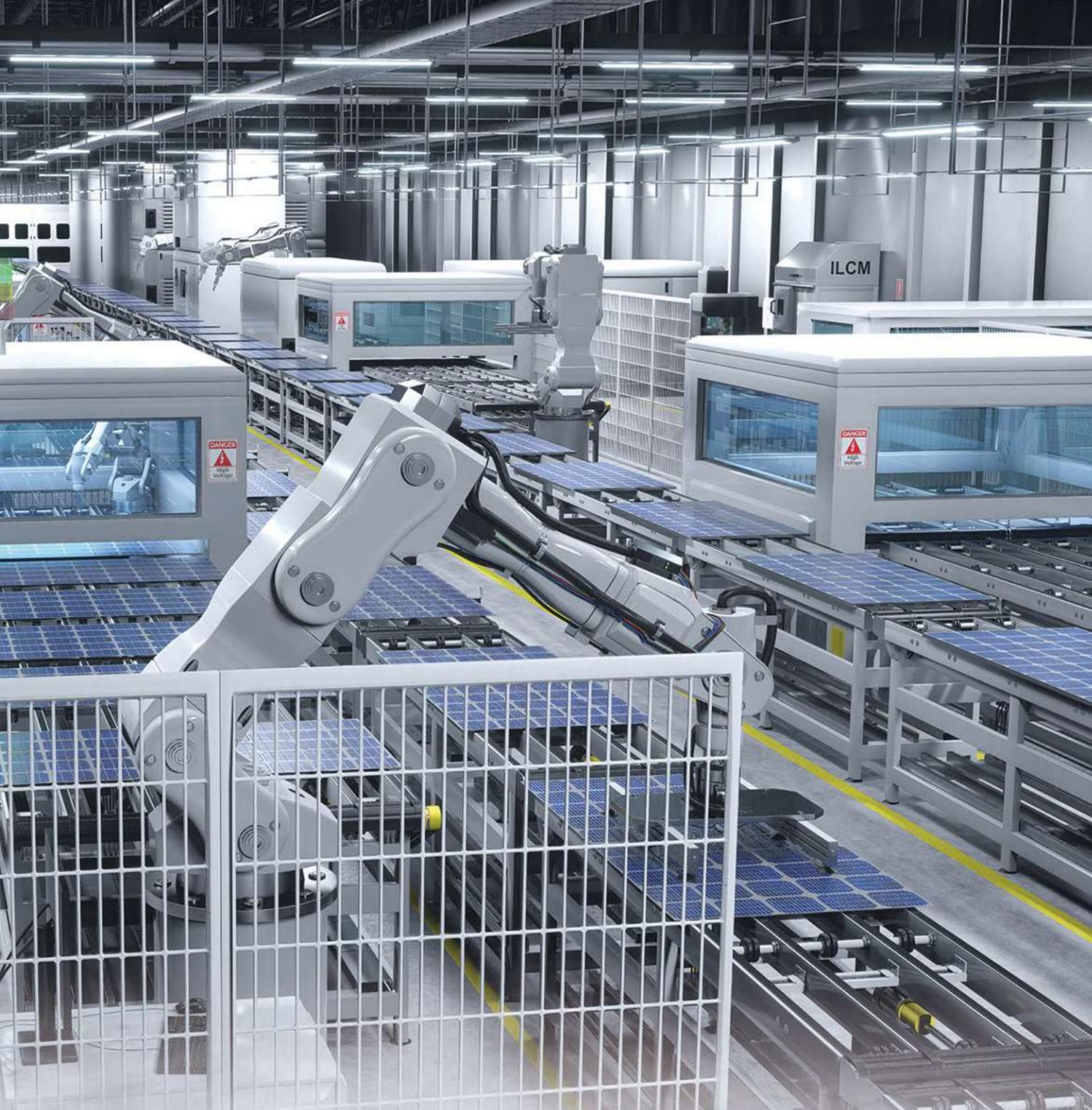
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## Optimize Productivity Across Industries with Darveen's Industrial Computers

### Connecting the Edge of Industry 4.0.

From factory floors to industrial operations, Darveen delivers reliable computing power that drives Industry 4.0 innovation.



### We Are Darveen

Established in 2007, Darveen is dedicated to developing rugged industrial computing solutions tailored to the diverse needs of vertical industries. Our product portfolio includes vehicle mount computers, industrial panel PCs, industrial displays, embedded box computers, and rugged tablets. With nearly two decades of experience in product design and manufacturing, Darveen's solutions are widely adopted in smart ports, warehousing and logistics, and heavy-duty vehicle applications. Riding the Industry 4.0 wave, Darveen is expanding its reach into edge computing, smart manufacturing, industrial automation, healthcare, and marine sectors.

# Our Capabilities and Competencies

## Product Development and Testing

We uphold a rigorous control process throughout the development and verification phases, from EVT/DVT/PVT to MVT. We improve testing indicators at every stage, supported by an excellent testing lab equipped with IPX6 water-proof testing devices, high and low temperature testing boxes, constant temperature and humidity testing boxes, burn-in testing boxes, high frequency 3-axis electromagnetic vibration machines, salt spray cabinets, sand-dust testing chambers, drop testing machines, and other advanced equipment. Our commitment extends to providing industry certifications, such as CE/FCC/CCC and US Military Standard, tailored to our client's needs, making Darveen a quality-driven choice for industrial solutions.



## Expertise in Manufacturing

With four production lines adhering to standard SOPs, our staff works diligently to maintain consistent quality. Our MES system ensures product traceability, and we perform quality control at every stage of the manufacturing process, from IQC, IPQC, FQC to OQC. Our manufacturing and engineering facilities are certified to the latest ISO-9001, ISO-14001 and ISO-45001 standards. Our greatest advantage in manufacturing lies in the extensive production capacity and significant flexibility of our Shenzhen Manufacturing Center, allowing us to promptly meet customer delivery demands.



## Flexible Customization Services

Darveen is committed to addressing customer needs by delivering further customization services that help customers capture new opportunities and overcome challenges. Our offerings include case modifications, tailored cut-outs and I/O ports, customized logos and designs, BIOS adjustments, and other special services, enabling faster time-to-market for customers' projects.



## Recognition and Innovation

We are a recognized "National Hi-Tech Enterprise", known for innovation, holding more than 100 patents affirming dedication to creativity and independent Research and Development. We offer pioneering solutions in top-notch industrial computing, backed by extensive industry experience.



## Meet Vertical Market Needs with Comprehensive Embedded Solutions

Darveen's offerings are extensively utilized in various vertical markets, including ports and terminals, vehicle fleets, industrial automation, warehousing, marine environments, and field mobility applications. Darveen supplies robust embedded computers with specific designs and features to system integrators, distributors, resellers, and equipment manufacturers. Moving forward, Darveen will continue to innovate and develop vertical market focus products, aiming to elevate customer value and profitability in all aspects.



## Vehicle Mount Computers

- 7" to 15" touch screens with front panels integrating numeric and function keys
- Designed for container ports, buses, fleets, mining vehicles, and agricultural vehicles
- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Rugged design with IP66/IP65 ratings, compliant with MIL-STD-810H/G
- Equipped with ignition control

## Rugged Tablets

- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Integrated 1D/2D barcode scanning, RFID reading, and fingerprint identification
- Stylish yet rugged, built to withstand drops, dust, and water
- IP67/IP66 ratings, compliant with MIL-STD-810H

## Industrial Panel PCs

- Designed for industrial HMI, food processing, healthcare, marine applications, and etc.
- Various screen sizes and touch types from 8" to 21.5"
- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Specific environmental design capability with certification upon request

## Industrial Displays

- Various screen sizes and touch types from 8" to 21.5"
- Flexible installation and sunlight-readable options
- Anti-glare and anti-fingerprint

## Embedded Box Computers

- Designed for edge computing for machine vision, IIoT, in-vehicle, marine, and etc.
- Heavy-duty design capabilities: extended temperature, fanless operation, wide DC input, ESD protection
- Compact form factor for easy integration into control cabinets or DIN-rail mounts
- Specific environmental design capability with certification upon request
- IEC 60945/61162-1/2, IACS E10 certified for marine



## Port Operations – Maximize Productivity with Vehicle Mount Computers

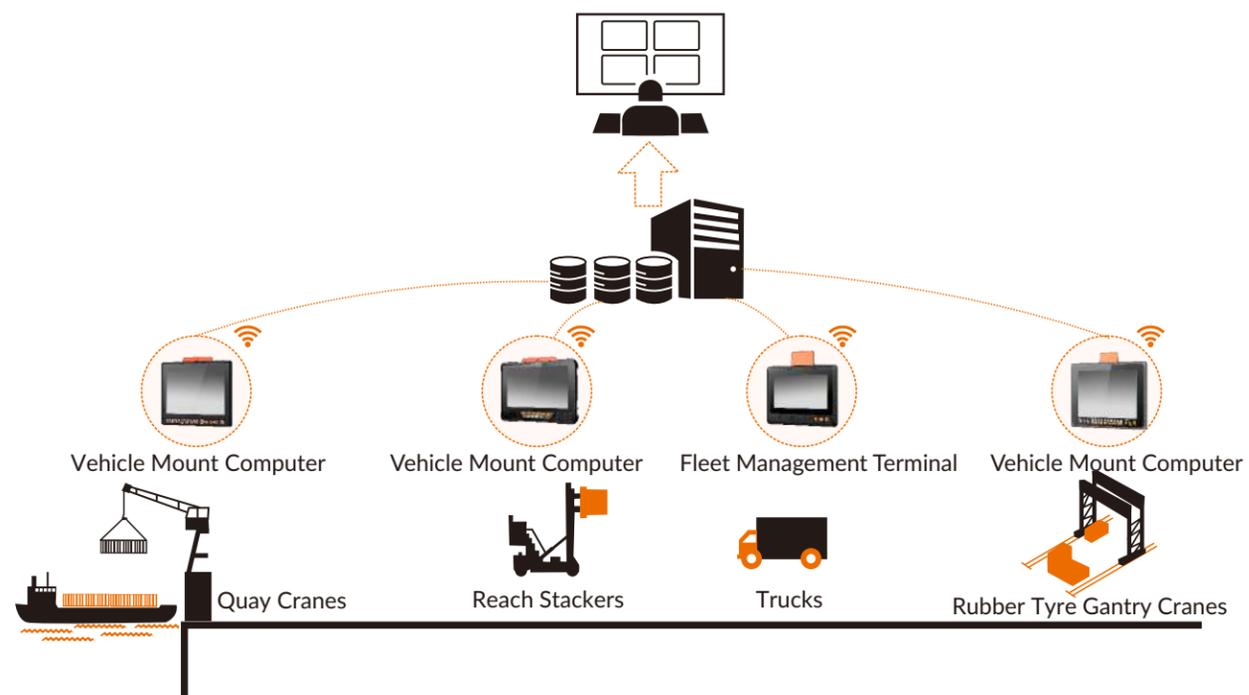
With the rapid growth of e-commerce, the management of port terminals at global ports has become increasingly complex. This has driven a growing number of port operators to seek reliable and robust IT solutions. Whether it involves gantry cranes, quay cranes, yard cranes, reach stackers, forklift trucks, or container trucks responsible for transporting goods, there is a critical need to effectively monitor mobile machinery, assets, and human resources. Darveen offers rugged computing solutions with timely and stable data transfer to enhance the efficiency of container handling and cargo movement. Darveen's optimized rugged computers facilitate the deployment of port automation.

### Requirements

- Rugged design, resistant to salt, fog, dust, and water
- Sunlight-readable display
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Precise and real-time vehicle location through GNSS positioning
- Uninterrupted power supply for stable system performance
- Anti-vibration and shock, meeting MIL-STD-810 standard
- Wide operating temp

### Darveen's Solutions

- Constructed with die-cast aluminum alloy, the VT series ensures anti-corrosion and exceptional durability
- Fanless design minimizes maintenance efforts and downtime costs
- Supports a wide operating temperature range and shock/vibration resistance, compliant with MIL-STD-810H/G
- Equipped with built-in Wi-Fi 7/6E, 4G/5G communication modules, and GPS positioning capabilities
- Supports wide input voltage (8-36V/ 18-72V/ 60-120V) and ignition control
- High-brightness touchscreen up to 1,000 nits



## Container Trucks – Boost Fleet Performance, Deliver with Confidence

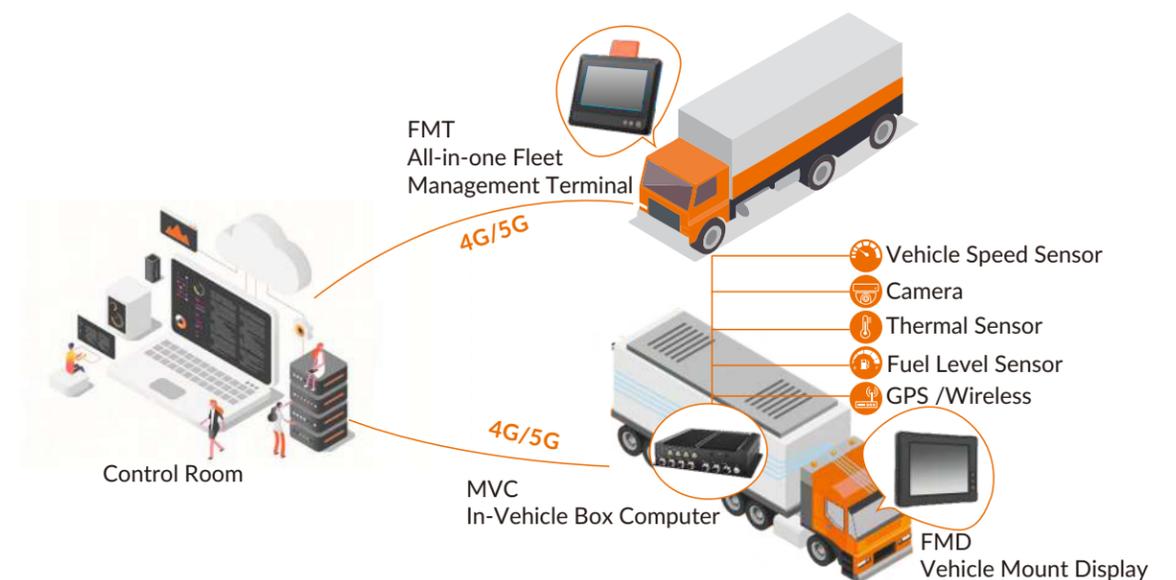
Transportation is vital to the global economy, with long-haul trucks serving as a cornerstone of the modern supply chain. However, freight logistics face significant challenges, including rising fuel costs and increasing environmental concerns. Heavy-duty container trucks, designed for large and heavy loads, contribute to higher carbon dioxide emissions and a larger carbon footprint. Darveen's in-vehicle computers provide efficient solutions for enhancing logistics operations while supporting sustainable fleet management.

### Requirements

- Highly flexible design suitable for installation in confined spaces
- Wide input voltage support with IGN protection to safeguard systems and data
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Abundant I/O interfaces for connecting diverse sensors and peripherals, including USB, LAN, COM, GPIO, and CAN Bus
- Rugged design to withstand vibrations from various road conditions

### Darveen's Solutions

- All-in-one vehicle mount computers and in-vehicle box computers
- 4G/5G for real-time fleet communication
- GPS, GLONASS, Galileo, and Beidou for positioning, navigation and tracking
- Wide voltage input with optional 18-72V DC adapter (VT series). Ignition control
- Rich I/O: USB, COM, LAN, GPIO, CAN Bus, with M12 connectors (MVC series)
- IP66/IP65 protection and MIL-STD-810H/G compliant



# Intelligent Fleet Management



## Bus - Effortless Transit with Smarter Arrival System

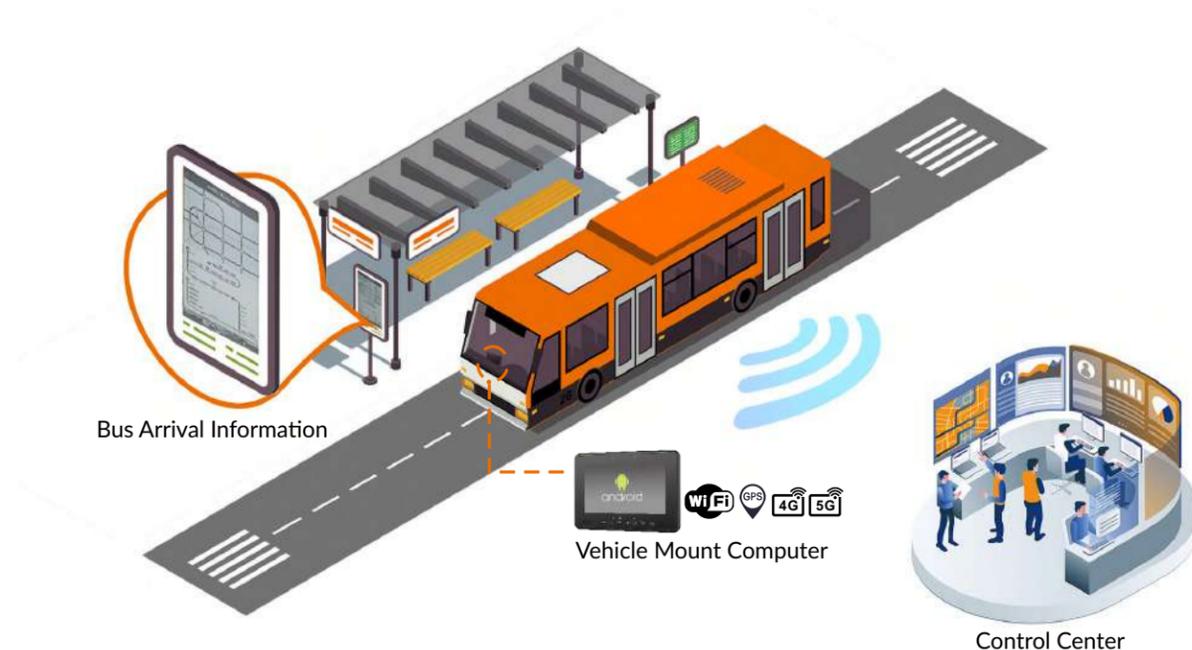
The connected fleet provides bus operators with effective real-time monitoring and management. For passengers, it offers conveniences such as digital signage and bus arrival prediction systems, delivering crucial traffic information while enhancing the safety and comfort of their journeys. These advanced applications are powered by in-vehicle computers installed on buses, which are connected to servers in the central control room, ensuring seamless communication and data flow.

### Requirements

- Real-time GPS tracking for accurate bus arrival predictions
- Wireless connectivity including 4G/5G or Wi-Fi for seamless data transmission
- Support for GPS, GLONASS, Galileo for precise tracking
- Rugged design to withstand vibrations and temperature changes
- Multiple I/O interfaces for sensor connections
- User-friendly interface for drivers and operators

### Darveen's Solutions

- All-in-one vehicle mount computers with user-friendly interfaces to display driving data and routes
- SIM card support for seamless 4G/5G real-time fleet communication
- GPS, GLONASS, Galileo, and Beidou for positioning, navigation and tracking
- Wide voltage input, ignition control
- Rich I/O: USB, COM, LAN, and CAN Bus interfaces
- MIL-STD-810H/G for vibration and impact resistance



# Intelligent Fleet Management



## Mining Vehicle - Cut Carbon Emissions Through Precise Fleet Control

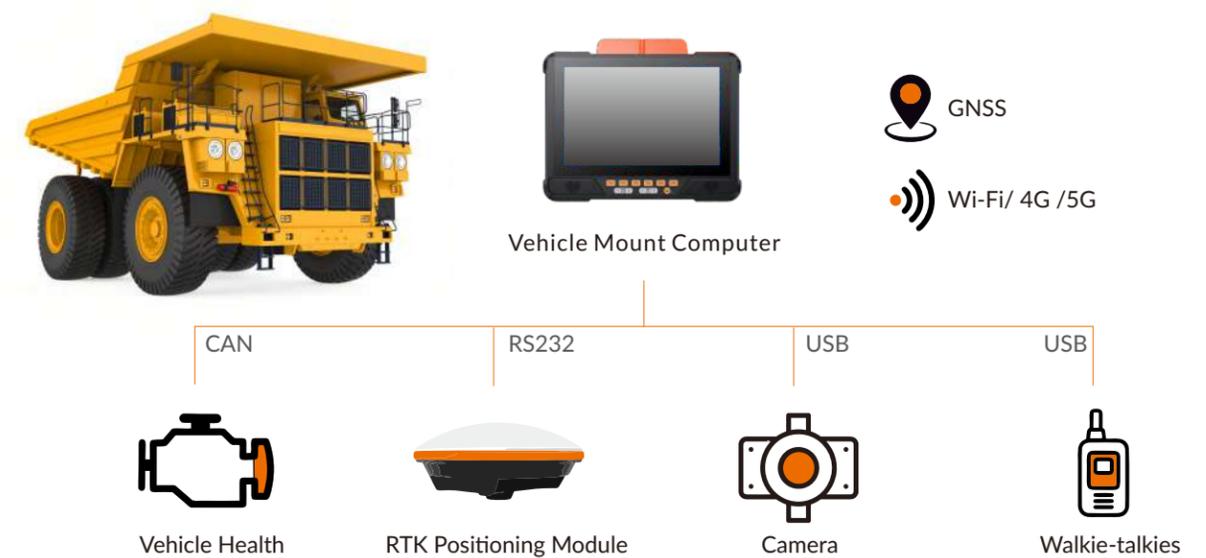
The application of special vehicles extends beyond public roads to include those operating in closed environments, such as mining trucks, bulldozers, and construction machinery. These heavy industrial vehicles can enhance operational efficiency and cut carbon emissions by integrating vehicle mount computers. Equipped with navigation features, sensors, and positioning technology, these systems help prevent collisions and improve safety in mining operations. Darveen's vehicle mount computers optimize mining vehicle performance in fleet dispatching, fuel and safety monitoring.

### Requirements

- Supports handheld intercom for fleet dispatch management
- Built-in high-precision positioning module for centimeter-level positioning and navigation accuracy
- Wide voltage input and compatibility with vehicle-grade power supplies to meet various vehicle surge conditions
- IP65 or higher for dust and water resistance
- Rugged design to withstand harsh environmental conditions
- Sunlight-readable display with brightness up to 1,000 nits

### Darveen's Solutions

- All-in-one vehicle mount computers with user-friendly displays
- Supports handheld intercoms to fulfill fleet communication
- High-precision navigation with GPS, BEIDOU, GALILEO, and RTK for accuracy up to 1-2 cm
- Rich I/O: CAN Bus, USB, LAN, COM for connecting sensors, cameras, and RTK modules
- IP66/IP65 protection and MIL-STD-810H/G compliant
- Wide voltage input, ignition control
- Versatile mounting with adjustable, sandwich-type, and U-type brackets, etc



# Intelligent Fleet Management



## Agricultural Vehicle - Drive Sustainable Growth in Crop Production

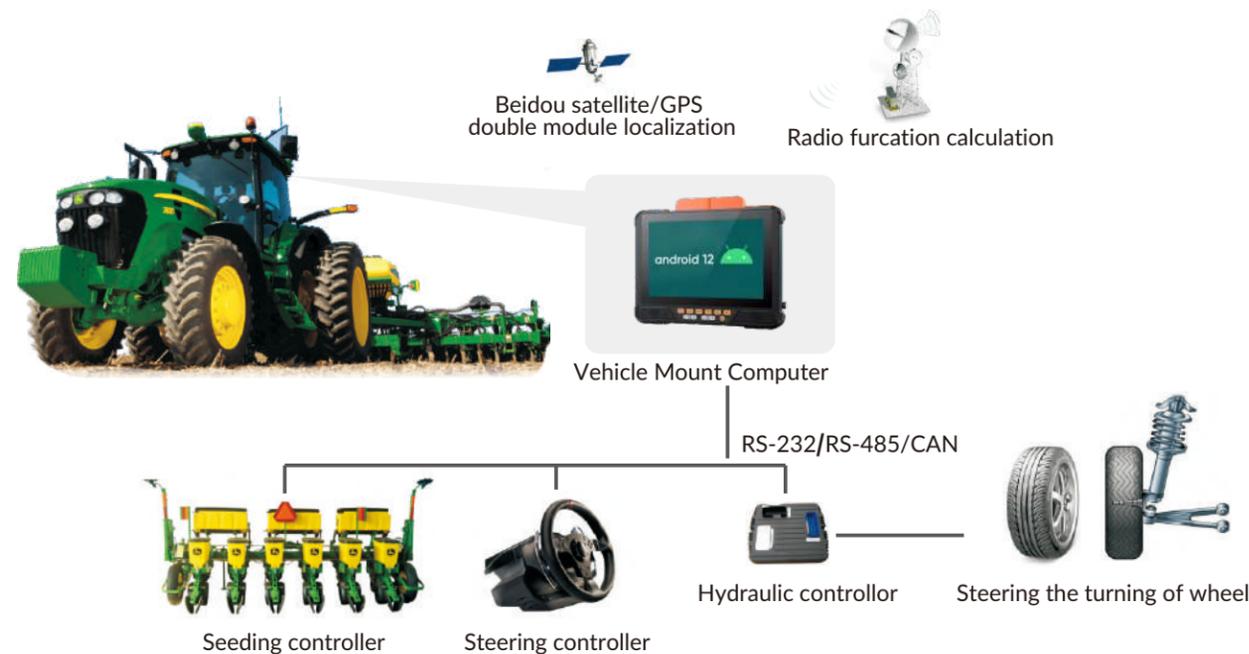
The main function of existing agricultural vehicle computers is to provide precise vehicle positioning and navigation. These computers also rely on sensors installed in the vehicle to monitor vehicle health, collect soil and weather data, and enable further automation and data-driven capabilities. Darveen's vehicle mount computers play a key role in agricultural vehicle navigation, as well as in monitoring vehicle health and on-site data.

### Requirements

- IP65 or higher dust and water resistance
- High-precision centimeter-level positioning
- Supports external CAN bus and sensors via serial port
- Vehicle-grade power supply, compatible with various vehicle power surge conditions
- Sunlight-readable display

### Darveen's Solutions

- Built-in high-precision positioning module for centimeter-level navigation
- 9 to 36V wide power input. Ignition control
- Built-in CAN bus for vehicle health diagnostics
- IP66/IP65 protection and MIL-STD-810H/G compliant
- Display brightness up to 1,000 nits



# Intelligent Factory



## MES Workstation - Streamline Production with Intelligent Manufacturing

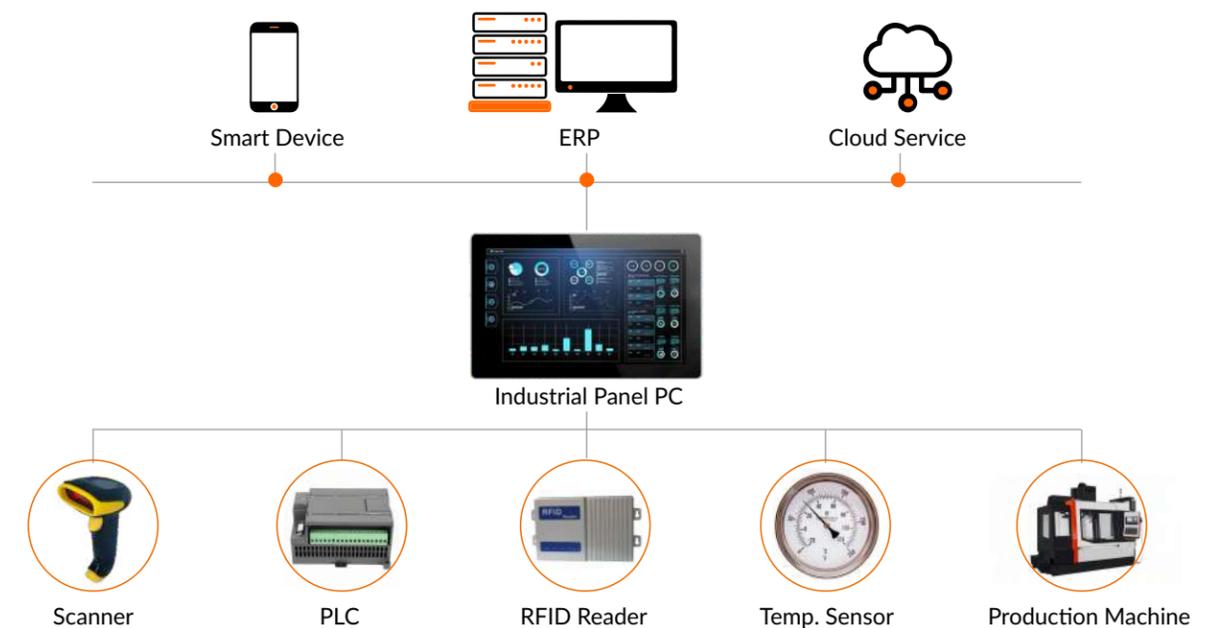
As the manufacturing industry shifts towards Industry 4.0 and smart factories, digital machinery has been widely adopted on shop floors. Industrial panel computers, serving as Human-Machine Interfaces (HMIs), are installed at each workstation and connected to MES servers via Ethernet. These computers allow operators to receive production instructions and e-SOPs for work orders, aiding in real-time coordination, quality management, and data collection. Darveen's industrial panel PCs help optimize the entire production process, improving delivery and material control. In food processing factories, where residues and grease are prevalent, Darveen offers stainless steel panel PCs with M12 connectors to ensure stable and reliable operations.

### Requirements

- Built for harsh environments with high/low temperatures, dust, and vibration
- User-friendly touch interfaces for efficient data visualization and quick processing of production instructions
- Resistive touchscreens for gloved use; capacitive screens for multi-touch functionality
- Multiple I/O ports for data capture and device connectivity
- Reliable 24/7 operation to ensure uninterrupted MES system performance

### Darveen's Solutions

- 8 to 21.5 inches with x86 or ARM-based CPUs, Windows/Android OS
- Touch options: multi-point capacitive or single-point resistive
- Fanless, IP66/IP65-rated for harsh environments
- I/O ports for USB, LAN, and COM connections, with M12 connectors (RPC and SPC series)
- Modular design supports I/O board customization and easy CPU upgrades
- Flexible installation: Cantilever suspension, wall mount, or stand-alone





## Intelligent Automation - Power Up Smart Factory with Edge AI

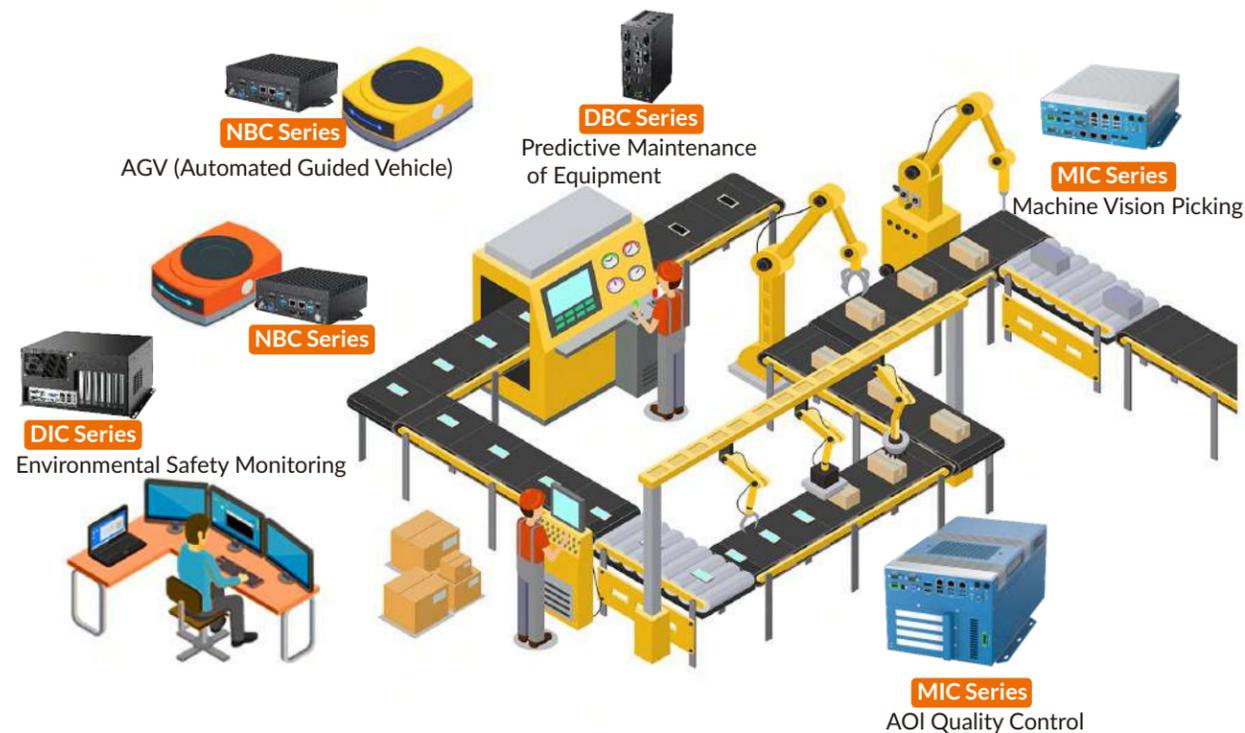
In today's industrial sites and manufacturing sectors, AI is widely applied in intelligent equipment. Edge AI enhances automation, safety, and decision-making capabilities, bringing significant benefits to factories. For example, edge AI can monitor production lines and equipment in real time, identifying potential issues early to prevent failures. This predictive maintenance reduces downtime and ensures smooth production operations. Edge AI computing is gradually integrating into the daily production processes of factories.

### Requirements

- Durability with extended temperature, fanless operation, wide DC input, ESD protection
- Wide I/O support for sensors, controllers, PLCs, and other devices
- Stable connectivity with Wi-Fi, Ethernet, and 5G for real-time data transmission
- High processing power for handling complex Edge AI tasks
- Machine vision compatibility with camera connections and GPU expansion

### Darveen's Solutions

- AOI Defect Detection: MIC series with a 300W, 330mm long GPU card expansion for high-performance computing
- Security Surveillance: DIC series rack-mounted chassis for large-scale image recognition and data analysis
- Data Acquisition: DBC series compact, DIN-rail mount PC with rich I/O for industrial automation and IoT
- AGV: NBC series compact and lightweight design for easy integration into AGVs



## Digital Forklift Systems - Energize Reliable Deliveries and Improve Customer Satisfaction

As warehouse intelligence continues to advance, the automation and informatization levels of forklifts in warehouses have also been significantly enhanced. Darveen's VT series of vehicle mount computers and RTC series of rugged tablets, equipped with rich I/O interfaces and data collection functions, cater to the operational needs of warehouses—from picking and receiving to inventory management. Through advanced wireless technology, they offer faster and more stable data transmission, providing more accurate and real-time data support for intelligent warehouse management.

### Requirements

- Responsive all-in-one touchscreen with resistive or capacitive touch types
- Rugged design and fanless cooling for durability in harsh conditions
- Multiple I/O interfaces for connecting peripherals
- Strong wireless capabilities, including Bluetooth, Wi-Fi 6E, 5G/4G for seamless communication
- Wide-range power input to protect against power surges and ensure stable operation

### Darveen's Solutions

- VT series: All-in-one computers with larger screens, physical keyboards, or function keys. RTC series: Rugged tablets, easy to carry for patrol applications
- IP67/IP66 protection and MIL-STD-810H/G compliant
- Rich I/O for connecting barcode readers, NFC, RFID readers, and printers
- Diverse wireless connectivity options including Wi-Fi 6E, Bluetooth, 4G/5G, and GNSS
- Versatile accessories including mounting brackets, keyboards, and antennas for the VT series, and docking stations and chargers for the RTC series





## Field Workforce Management - Unstoppable Performance with Rugged Tablets

Darveen's rugged tablet PCs undergo rigorous testing to ensure unparalleled durability and resilience in extreme conditions. Engineered for enhanced productivity, our rugged tablet computers are versatile, providing optimal performance for the mobile workforce. They facilitate instantaneous communication and data exchange between field technicians and back-end operators. With rugged and durable features, they enable field personnel to work easily in harsh environments and extreme weather, enhancing efficiency and providing insights for decision-making.

### Requirements

- Built to endure with IP protection and resistance to shocks, vibrations, and drops
- Long battery life with hot-swappable batteries for extended shifts
- Wireless connectivity for real-time data transmission
- Comfortable design for prolonged use
- High productivity features for secure login and data collection

### Darveen's Solutions

- Complies with IP67 and MIL-STD-810H (4ft/1.2m drop protection)
- Dual hot-swappable batteries for extended field use (RTC-I116)
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Slim and modern ergonomic design
- Integrated 1D/2D barcode reader, NFC, RFID for data collection, and fingerprint recognition for secure login
- Versatile connectivity with USB, LAN, HDMI, COM ports, and aviation plug
- Sunlight-readable 700-1,000 nits for outdoor visibility



## Smart Ship - Navigate Toward a Smoother Future

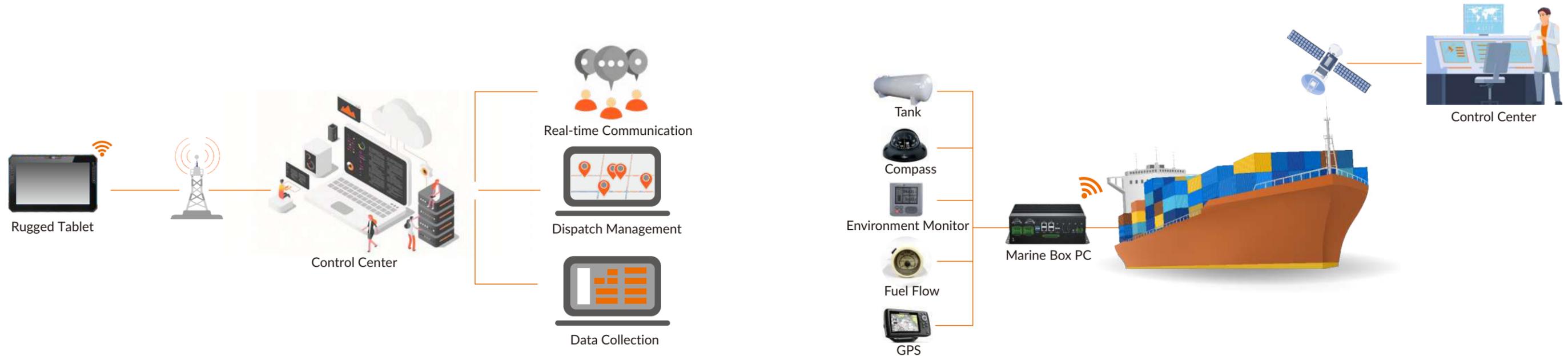
Marine computers are industrial-grade systems built to withstand the challenges of maritime environments. Designed for deployment on ships, they feature rugged construction, fanless design, and isolation protection, ensuring reliable performance even in extreme environment. Darveen's marine computers are built to endure harsh conditions at sea, offering stable operation for control, monitoring, and data collection. Ideal for applications on fishing boats, yachts, cargo ships, and sailboats, they deliver a dependable solution for marine IoT operations.

### Requirements

- Handles extreme temperatures, vibrations, and electromagnetic interference
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Compact design to accommodate limited space on ships
- Wide power range compatibility
- Extensive I/O to collect data from sensors, GPS, depth sounders, etc.

### Darveen's Solutions

- Rugged design with corrosion-resistant materials, optimized thermal management, and wide temp range
- Fanless cooling for stable performance in harsh environment
- Wi-Fi, Bluetooth, LTE/5G, GPS (Optional)
- Compact form factor for easy integration
- Wide-range power input
- Multiple I/O ports including NMEA 0183 (RS-422/485), USB, LAN, DIO, and CAN 2.0
- IEC 60945/61162-1/2, IACS E10 certified



# Vehicle Mount Computers



A vehicle mount computer is an all-in-one solution that combines a computer and touchscreen with a user-friendly interface for vehicle installation, ideal for diverse environments like cranes, trucks, buses, mining vehicles, agricultural vehicles, and other tough environmental conditions. Darveen's vehicle mount computers support both Windows and Android systems and come with a range of accessories, including QWERTY keyboards, sunshades, antennas with various dBi gains, and mobile power sources with M12 IP65 plugs. Various mounting options are also available to meet specific installation requirements.



### Diverse Product Selections

- 7" to 15" screens, capacitive or resistive touch
- Windows or Android OS
- Multiple CPU options: x86 and ARM-based



### Rugged Reliability

- Die-cast aluminum, -30 to 60°C wide operating temp.
- Fanless, full IP66/IP65 protection
- Compliant with MIL-STD-810H/G



### Advanced Wireless Connectivity

- Wi-Fi 7, Wi-Fi 6E, 5G/4G
- Bluetooth v5.4
- Supports GPS, GLONASS, Galileo, and Beidou positioning



### Adaptable Power Supply

- Wide-voltage power input (8 to 36 VDC)
- Ignition control

## Vehicle Mount Computers (Intel x86)

### VT Series (OS: Windows)

- Intel® Core™ i5 / Alder Lake-N / Celeron processor
- 8" to 15" resistive or P-Cap touchscreen (up to 1000 nits)
- Available with numeric, function keys, or QWERTY keyboard
- Rugged aluminum enclosure and fanless design
- Full IP66 protection
- Compliant with MIL-STD-810H
- 8-36 VDC power input with ignition control
- Wi-Fi 7, Wi-Fi 6E, Bluetooth 5.4, 5G/4G, GPS, CAN2.0B



## Vehicle Mount Computers (ARM-Based)

### VT Series (OS: Android)

- Rockchip RK3399 / RK3588 or Qualcomm processor
- 7" to 12.1" P-Cap touchscreen (up to 1000 nits)
- Available with numeric or function keys
- Rugged aluminum enclosure and fanless design
- Full IP65 protection
- Compliant with MIL-STD-810G
- 8-36 VDC power input with ignition control
- Wi-Fi 5, Bluetooth 4.2, 5G/4G, GPS



## Fleet Management Terminals

### FMT Series

- Intel®, Rockchip or Qualcomm processor
- 8" and 10.1" P-Cap touchscreen (up to 1000 nits)
- Rugged metal enclosure and fanless design
- 8-36 VDC power input with ignition control
- Built-in Wi-Fi, Bluetooth, 5G/4G, GNSS, CAN2.0B
- Supports standard/M12/DT connectors



## Railway Touch Panel PCs

### TVP Series

- Intel® Celeron processor
- 10.4" P-Cap touchscreen
- Supports Windows or Linux OS
- Supports M12 connectors
- IP65 front panel protection
- Wi-Fi, Bluetooth, 4G LTE, GPS, CAN (optional)



# Vehicle Mount Computers

## Vehicle Mount Computers (Intel Alder Lake-N97)



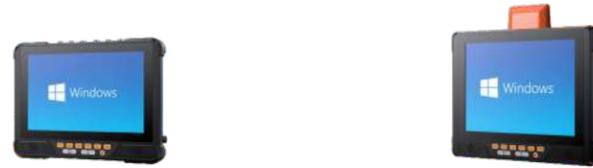
Product Model		VT-677WK	VT-777
Display	Size	8 inch	10.4 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (by request)	
	Resolution	1280x720	1024x768
	Luminance	750 nits	600 nits
System	CPU	Intel® Alder Lake-N97, quad core (up to 3.6GHz)	
	Memory	4GB DDR4-2666 SO-DIMM (up to 16GB)	
	Storage	128GB M.2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment Power LED indicator QWERTY keyboard	Power On/Off Brightness and volume adjustment F1-F6 user-defined function keys Power LED indicator
		I/O Port	4x USB 3.0 (Type A) 2x USB2.0 (Type A)
I/O Port	Serial	1x RS-232 (COM1, M12, Optional)	
	Ethernet	2x GbE LAN (RJ45)	
	Audio	3.5mm Audio Jack (Mic-in/Line-out)	
	Display	N/A	
	SIM Card Slot	1x SIM Socket	
	CAN bus	Optional	
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
	RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)
RF Communication	Cellular	4G, LTE (optional) 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)	
GNSS	GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)		
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36VDC	
Operating System	Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro	
Mechanical	Dimensions (W x D x H)	280 x 230 x 69 mm (11.02 x 9.06 x 2.72 inches)	280 x 230 x 65.5 mm (11.02 x 9.06 x 2.58 inches)
	Weight (N.W.)	3.8 kg (8.38 lbs)	3.0 kg (6.6 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)	
	Shock	MIL-STD-810H	
	Vibration	MIL-STD-810H	
	IP Rating	IP66	



Product Model		VT-877	VT-977
Display	Size	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (by request)	
	Resolution	1024x768	
	Luminance	1000 nits	
System	CPU	Intel® Alder Lake-N97, quad core (up to 3.6GHz)	
	Memory	4GB DDR4-2666 SO-DIMM (up to 16GB)	
	Storage	128GB M.2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys Power LED indicator	
		I/O Port	4x USB 3.0 (Type A) 2x USB2.0 (Type A)
I/O Port	Serial	1x RS-232 (COM1, DB9)	
	Ethernet	2x GbE LAN (RJ45)	
	Audio	3.5mm Audio Jack (Mic-in/Line-out)	
	Display	1x HDMI (Type A) 1x DP++ (Type A)	
	SIM Card Slot	1x SIM Socket	
	CAN bus	Optional	
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
	RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)
RF Communication	Cellular	4G, LTE (optional) 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)	
GNSS	GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)		
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36VDC	
Operating System	Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro	
Mechanical	Dimensions (W x D x H)	300 x 260 x 58 mm (11.81 x 10.24 x 2.28 inches)	355 x 304 x 69 mm (13.98 x 11.97 x 2.72 inches)
	Weight (N.W.)	3.8 kg (8.38 lbs)	4.8 kg (10.58 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)	
	Shock	MIL-STD-810H	
	Vibration	MIL-STD-810H	
	IP Rating	IP66	

# Vehicle Mount Computers

## Vehicle Mount Computers (Intel Core i5)



Product Model		VT-779W	VT-779
Display	Size	10.1 inch	10.4 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (by request)	
	Resolution	1920x1200	1024x768
	Luminance	1000 nits	600 nits
System	CPU	Intel Core™ i5-1235U, 10-core (up to 4.4GHz)	
	Memory	8GB DDR4-2666 SO-DIMM (up to 32GB)	
	Storage	256GB M. 2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys Power LED indicator	
	I/O Port	USB	6x USB 3.0 (Type A)
I/O Port	Serial	2x RS-232 (COM1, DB9)	1x RS-232 (COM1, M12, Optional)
	Ethernet	2x GbE LAN (RJ45)	
	Audio	3.5mm Audio Jack (Mic-in/Line-out)	
	Display	1x HDMI (Type A) 1x DP++ (Type A)	
	SIM Card Slot	1x SIM Socket	
	CAN bus	Optional	
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
	RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)
Cellular		4G, LTE (optional) 5G, NSA/SA (optional)	
Bluetooth		Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)	
GNSS		GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36VDC	
Operating System	Windows	Windows 11 IoT Enterprise LTSC	
		Windows 10 IoT Enterprise LTSC	
		Windows 11 Pro	
		Windows 10 Pro	
Mechanical	Dimensions (W x D x H)	280 x 210 x 51 mm (11.02 x 8.27 x 2.01 inches)	280 x 230 x 65.5 mm (11.02 x 9.06 x 2.58 inches)
	Weight (N.W.)	2.4 kg (5.29 lbs)	3.0 kg (6.6 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)	
	Shock	MIL-STD-810H	
	Vibration	MIL-STD-810H	
	IP Rating	IP66	



Product Model		VT-879	VT-979
Display	Size	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (by request)	
	Resolution	1024x768	
	Luminance	1000 nits	
System	CPU	Intel Core™ i5-1235U, 10-core (up to 4.4GHz)	
	Memory	8GB DDR4-2666 SO-DIMM (up to 32GB)	
	Storage	256GB M. 2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys Power LED indicator	
	I/O Port	USB	6x USB 3.0 (Type A)
I/O Port	Serial	1x RS-232 (COM1, DB9)	
	Ethernet	2x GbE LAN (RJ45)	
	Audio	3.5mm Audio Jack (Mic-in/Line-out)	
	Display	1x HDMI (Type A) 1x DP++ (Type A)	
	SIM Card Slot	1x SIM Socket	
	CAN bus	Optional	
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
	RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)
Cellular		4G, LTE (optional) 5G, NSA/SA (optional)	
Bluetooth		Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)	
GNSS		GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36VDC	
Operating System	Windows	Windows 11 IoT Enterprise LTSC	
		Windows 10 IoT Enterprise LTSC	
		Windows 11 Pro	
		Windows 10 Pro	
Mechanical	Dimensions (W x D x H)	300 x 260 x 58 mm (11.81 x 10.24 x 2.28 inches)	355 x 304 x 69 mm (13.98 x 11.97 x 2.72 inches)
	Weight (N.W.)	3.8 kg (8.38 lbs)	4.8 kg (10.58 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)	
	Shock	MIL-STD-810H	
	Vibration	MIL-STD-810H	
	IP Rating	IP66	

# Vehicle Mount Computers

## Vehicle Mount Computers (Rockchip RK3399)



Product Model		VT-640A	VT-740A
Display	Size	8 inch	10.4 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1024 x 768
	Luminance	750 nits	400 nits
System	CPU	Rockchip RK3399 , dual core A72 + quad core A53 (1.8GHz)	
	Memory	4GB DDR4-1866 on board	
	Storage	32GB EMMC on board	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment Power LED indicator	
I/O Port	USB	1x USB 2.0/OTG 1x USB 2.0	
	Serial	1x COM (RS-232)	
	Ethernet	1x GbE LAN	
	SIM Card Slot	1x Nano SIM socket	
	TF Card Slot	1x TF Socket (up to 128GB)	
	CAN bus	Optional	
	Antenna	2 to 4x TNC connector for external antenna	
RF Communication	Wi-Fi	Wi-Fi 5: 802 . 11a/b/g/n/ac , 2.4G/5G (optional)	
	Cellular	4G , LTE 5G , NSA/SA (optional)	
	Bluetooth	Bluetooth 4.2	
GNSS	GPS, GLONASS, Galileo, BeiDou		
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36V DC	
Operating System	Android	Android 11	
Mechanical	Dimensions (W x D x H)	240 x 190 x 53 mm (9.45 x 7.48 x 2.09 inches)	280 x 239 x 69 mm ( 11.02 x 9.41 x 2.72 inches)
	Weight (N.W.)	1. 8 kg (3.97 lbs)	3.0 kg (6. 61lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C ( -4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65	



Product Model		VT-760A	VT-840A
Display	Size	10.1 inch	12.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 800	1024 x 768
	Luminance	400 nits	500 nits
System	CPU	Rockchip RK3399 , dual core A72 + quad core A53 (1.8GHz)	
	Memory	4GB DDR4-1866 on board	
	Storage	32GB EMMC on board	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment Power LED indicator	Power On/Off Brightness and volume adjustment 0-9 numeric , Enter and Backspace F1-F6 user-defined function keys
I/O Port	USB	1x USB 2.0/OTG 1x USB 2.0	
	Serial	1x COM (RS-232)	
	Ethernet	1x GbE LAN	
	SIM Card Slot	1x Nano SIM socket	
	TF Card Slot	1x TF Socket (up to 128GB)	
	CAN bus	Optional	
	Antenna	2 to 4x TNC connector for external antenna	
RF Communication	Wi-Fi	Wi-Fi 5: 802 . 11a/b/g/n/ac , 2.4G/5G (optional)	
	Cellular	4G , LTE 5G , NSA/SA (optional)	
	Bluetooth	Bluetooth 4.2	
GNSS	GPS, GLONASS, Galileo, BeiDou		
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36V DC	
Operating System	Android	Android 11	
Mechanical	Dimensions (W x D x H)	280 x 210 x 47 .5 mm ( 11.02 x 8 . 27 x 1 . 87 inches)	320 x 260 x 66 mm ( 12. 60 x 10 . 24 x 2 . 60 inches)
	Weight (N.W.)	2.2 kg (4.85 lbs)	3. 8 kg (8.38 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C ( -4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65	

# Vehicle Mount Computers

## Vehicle Mount Computers (Rockchip RK3588)



Product Model		VT-762A	VT-862A
Display	Size	10.1 inch	12.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1920 x 1200	1024 x 768
	Luminance	1000 nits	1000 nits
System	CPU	Rockchip RK3588, octa-core (2.4 GHz)	
	Memory	4GB DDR4 on board	
	Storage	64GB EMMC on board	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment F1-F6 user-defined function keys	Power On/Off Brightness and volume adjustment 0-9 numeric , Enter and Backspace F1-F6 user-defined function keys
	I/O Port	USB Serial Ethernet SIM Card Slot TF Card Slot CAN bus Antenna	1x USB 2.0/OTG 1x USB 2.0 1x COM (RS-232) 1x GbE LAN 1x SIM socket 1x TF Socket (up to 128GB) Optional 2 to 8x TNC connector for external antenna
RF Communication	Wi-Fi	Wi-Fi 5: 802 . 11a/b/g/n/ac , 2.4G/5G (optional)	
	Cellular	4G , LTE 5G , NSA/SA (optional)	
	Bluetooth	Bluetooth 4.2	
	GNSS	GPS, GLONASS, Galileo, BeiDou	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36V DC	
Operating System	Android	Android 12	
Mechanical	Dimensions (W x D x H)	280 x 210 x 46 mm ( 11.02 x 8 . 27 x 1 . 18 inches)	300 x 260 x 58 mm ( 11.8 x 10 . 24 x 2 . 28 inches)
	Weight (N.W.)	2.2 kg (4.85 lbs)	3. 8 kg (8.4 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C ( -4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65	

# Fleet Management Terminals

## Fleet Management Terminals (Intel Alder Lake-N97)



Product Model		FMT-661M	FMT-761M
Display	Size	8 inch	10.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1920 x 1200
	Luminance	750 nits	1000 nits
System	CPU	Intel Alder Lake-N97, quad core (up to 3.6GHz)	
	Memory	4GB DDR4-2666 SO-DIMM (up to 16GB)	
	Storage	128GB M.2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment F1-F4 user-defined function keys Power LED indicator	
	I/O Port	USB Serial Ethernet SIM Card Slot CAN bus Antenna	2x USB 2 .0 (M12) 2x RS-232 (COM1/2 , M12) 1x GbE LAN (M12) 2x GbE LAN (M12) 1x SIM Socket (up to 2x SIM) 2x CAN2 .0B (Optional) 8x SMA connector for external antenna (Wi-Fi , Bluetooth , WWAN , GPS)
RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)	
	Cellular	4G, LTE (optional) 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)	
	GNSS	GPS, GLONASS, Galileo, BeiDou ( Ublox)	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8-36V DC	
Operating System	Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro	
	Mechanical	Dimensions (W x D x H) Weight (N.W.) Mounting	235 x 168 x 49.5 mm (9. 25 x 6.6 x 1 . 95 inches) 1. 3 kg (2.87 lbs) VESA
Environment	Operating Temperature	-20°C to 60°C (-4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP66	

# Fleet Management Terminals

## Fleet Management Terminals (Rockchip RK3568)



Product Model		FMT-615A	FMT-715A
Display	Size	8 inch	10.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1280 x 800
	Luminance	750 nits	400 nits
System	CPU	Rockchip RK3568, quad core (2.0 GHz)	
	Memory	4GB DDR4-1866 on board	
	Storage	32GB EMMC on board	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment Power LED indicator	
I/O Port	USB	3x USB 2.0 (Type A) 1x USB 3.0/OTG (Type A)	
	Serial	2x RS-232 (COM1/2, DB9)	3x RS-232 (COM1/2/3, DB9)
	Ethernet	2x GbE LAN	
	Display	1x HDMI	
	SIM Card Slot	1x SIM Socket	
	TF Card Slot	1x TF Card Slot (up to 64GB)	
	CAN bus	2x CAN2.0B	
	Antenna	7x SMA connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
RF Communication	Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G	
	Cellular	4G, LTE 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 4.0/5.3	
	GNSS	GPS, GLONASS, Galileo, BeiDou (Ublox NEO M8N)	
Audio	Speaker	8Ω/2W, mono speaker	
	DC Input	8-36V DC	
Power	Ignition On/Off	Optional, Power mode should be changed to AT mode Power on delay, default 10 seconds Power off delay, default 10 seconds	
	Operating System	Android 11	
Mechanical	Dimensions (W x D x H)	235 x 180 x 45 mm (9.25 x 7.09 x 1.77 inches)	270 x 210 x 46.5 mm (9.25 x 7.09 x 1.77 inches)
	Weight (N.W.)	1.8 kg (3.97 lbs)	2.2 kg (4.85 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C (-4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65 front panel	

## Fleet Management Terminals (Qualcomm SM6225)



Product Model		FMT-662M	FMT-762M
Display	Size	8 inch	10.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1920 x 1200
	Luminance	750 nits	1000 nits
System	CPU	Qualcomm SM6225, octa-core (up to 2.4GHz)	
	Memory	8GB LDDR4X	
	Storage	128GB eMMC	
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment F1-F4 user-defined function keys Power LED indicator	
I/O Port	USB	1x USB 2.0 (M12) 1x USB OTG (M12)	
	Serial	1x RS-232 (M12)	
	Ethernet	1x GbE LAN (M12)	
	SIM Card Slot	2x SIM Socket	
	CAN bus	2x CAN2.0B	
	Antenna	7x SMA connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
	RF Communication	Wi-Fi 6, 2.4G/5G, 802.11a/b/g/n/ac/ax/d/e/h/i/k/v/r/w/mc Cellular 4G, LTE Bluetooth v5.1 GNSS GPS/GLONASS/BeiDou/Galileo/QZSS	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8-36V DC	
Operating System	Ignition On/Off	Android 13	
Mechanical	Dimensions (W x D x H)	235 x 168 x 49.5 mm (9.25 x 6.6 x 1.95 inches)	270 x 199 x 45.5 mm (10.6 x 7.83 x 1.79 inches)
	Weight (N.W.)	1.3 kg (2.87 lbs)	2.0 kg (4.4 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C (-4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP66	

# Fleet Management Terminals

## Fleet Management Terminals (Qualcomm QCM4490)



Product Model		FMT-664M	FMT-764M
Display	Size	8 inch	10.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1920 x 1200
	Luminance	750 nits	1000 nits
System	CPU	Qualcomm QCM4490, octa-core (up to 1.95GHz)	
	Memory	8GB LDDR4X	
	Storage	128GB eMMC	
Keypad & Keyboard	Keypad	Power On/Off	
		Brightness and volume adjustment	
		F1-F4 user-defined function keys	
		Power LED indicator	
I/O Port	USB	1x USB 2.0 (M12) 1x USB OTG (M12)	
	Serial	1x RS-232 (M12)	
	Ethernet	1x GbE LAN (M12)	
	SIM Card Slot	2x SIM Socket	
	CAN bus	2x CAN2.0B	
	Antenna	7x SMA connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)	
RF Communication	Wi-Fi	WiFi 6E, 2.4G/5G/6G, 802.11a/b/g/n/ac/ax/d/e/h/i/k/v/r/w/mc	
	Cellular	5G, NSA/SA	
	Bluetooth	Bluetooth v5.2	
	GNSS	GPS/GLONASS/BeiDou	
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8-36V DC	
Operating System	Ignition On/Off	Android 13	
Mechanical	Dimensions (W x D x H)	235 x 168 x 49.5 mm (9.25 x 6.6 x 1.95 inches)	270 x 199 x 45.5 mm (10.6 x 7.83 x 1.79 inches)
	Weight (N.W.)	1.3 kg (2.87 lbs)	2.0 kg (4.4 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C (-4° F to 140° F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP66	

# Railway Touch Panel PCs



Product Model		TVP-110	TVP-310
Display	Size	10.4 inch	
	Touch Type	Projected capacitive multi touch	
	Resolution	1024 x 768	
	Luminance	500 nits	1000 nits
System	CPU	Intel Celeron J1900 (2.0GHz)	Intel Atom x7433RE (1.5GHz)
	Memory	1x SO-DIMM DDR3L-1333/1600 (up to 8GB)	1x SO-DIMM DDR5-4800 (up to 16GB)
	Storage	1x Full-size Mini-PCIe for mSATA SSD	1x Full-size Mini-PCIe for mSATA SSD
Keypad & Keyboard	Keypad	32 keys (See the manual for the definition)	32 keys (See the manual for the definition)
I/O Port	USB	2x USB2.0	2x USB2.0
	Serial	2x RS-422/485	2x RS-232
	Ethernet	2x GbE LAN	2x GbE LAN
RF Communication	GPIO	/	1x 4bit GPIO
	CAN	/	2x CAN2.0B (optional)
	AUDIO	/	1x Audio out
	Wi-Fi	Optional	Optional
	Cellular	Optional	Optional
	Bluetooth	Optional	Optional
Power	DC Input	110VDC (± 40%, Default, optional 24/48/72V)	8-36VDC 43-160VDC (optional)
		Windows	Windows 10 IoT Enterprise Windows 11 IoT Enterprise
Mechanical	Dimensions (W x D x H)	305 x 235 x 65 mm (12.01 x 9.25 x 2.56 inches)	305 x 235 x 65 mm (12.01 x 9.25 x 2.56 inches)
	Weight (N.W.)	3.2 kg (7.05 lbs)	3.2 kg (7.05 lbs)
Environment	Operating Temperature	-40°C to 70°C (-40° F to 158° F)	
	IP Rating	IP65 (front panel)	



Darveen's VC and MVC series are rugged in-vehicle box computers designed for demanding environments in trucks, buses, and commercial vehicles. With advanced cooling, shock, and vibration resistance, they ensure stable performance during mobile operations. Supporting diverse peripherals and sensor connectivity, they are ideal for data collection, control, and GPS tracking in fleet management applications.



### Seamless Wireless Connectivity

- Wi-Fi 6, Bluetooth, 5G/4G, GPS, GLONASS, Galileo, Beidou
- Facilitating real-time order dispatch and vehicle tracking



### Rich I/O Interfaces and Rugged M12 Connectors

- Rich I/O interfaces, including CAN Bus
- MVC series with M12 connectors



### Rugged Reliability

- Fanless design
- -30 to 70°C wide operating temperature
- Compliant with MIL-STD-810G shock and vibration resistant



### Adaptable Power Connectivity

- 8-36 VDC wide-voltage input
- Ignition control

## In-Vehicle Box Computers

### VC Series

- 12/13th Gen Intel® Core™ i-Series
- Rugged aluminum enclosure and fanless design
- Wide range 9-36V DC Power input with ignition control
- Optional for Wi-Fi, Bluetooth, 5G/4G, GPS, CAN2.0B
- Wide operating temperature range of -20°C to 70°C
- Compliant with MIL-STD-810G shock and vibration resistant



## In-Vehicle Box Computers with M12 Connectors

### MVC Series

- Intel® Core™ i7/i5 / Celeron® processor
- Rugged and fanless design with M12 connectors
- Wide range 8-36V DC Power input with ignition control
- Optional support Wi-Fi, Bluetooth, 5G/4G, GPS, CAN2.0
- Wide operating temperature range of -30°C to 70°C
- Compliant with MIL-STD-810G shock and vibration resistant



# In-Vehicle Box Computers

## In-Vehicle Box Computers



Product Model		VC-2300	
System	CPU	Intel® Core™ i3-1215U/i5-1235U/i7-1255U	Intel® Core™ i3-1315U/i5-1335U/i7-1355U
	Memory	1x DDR4 3200 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD 1x M.2 2280 NVME, 1x MSATA	
I/O Port	USB	2x USB 2.0, 4x USB3.0	
	Serial	6x RS-232 (2x RS-232/485)	
	Ethernet	2x RJ45 GbE LAN	
	Display	2x HDMI, 1x VGA	
	SIM Card Slot	1 x SIM Card slot (inside)	
	CAN bus	4 x CAN2.0B (optional)	
	DIO	16x Opto-isolated DIO (optional)	
	Antenna	3x SMA-type	
Expansion Slot	Mini PCIe	1x Full length mini PCIe, half length mini PCIe	
RF Communication	Wi-Fi	Mini PCIe (share with mSATA)	
	Cellular	Mini PCIe (share with mSATA)	
	Bluetooth	Mini PCIe (share with mSATA)	
	GNSS	Mini PCIe (share with mSATA)	
Audio	Audio	Mic in, line out	
Power	Button	Yes	
	DC Input	9-36VDC	
	Power Mode	ATX/AT	
	Ignition On/Off	ACC function (optional)	
Operating System	Windows	Windows 10, Windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	200 x 180 x 65mm (7.87 x 7.09 x 2.56 inches)	
	Weight (N.W.)	3kg (6.61 lbs)	
	Mounting	Wall mount	
	Material	Aluminum alloy	
Environment	Operating Temperature	20°C to 70°C (-4°C to 158°F)	
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
	Relative Humidity	10% to 95% @40°C (104°F), non-condensing	
Certification	EMC	CE, FCC, Class A	

## In-Vehicle Box Computers with M12 Connectors



Product Model		MVC-3100	MVC-4246
System	CPU	Intel® Celeron® J6412 Quad-core Processor (2.0GHz)	Intel® Core™ i5-8265U/i7-8565U processor
	Memory	1x DDR4 SODIMM (up to 32GB)	
	Storage	1x M.2 2280 SATA SSD	
	Graphics	Intel® HD Graphics	
I/O Port	USB	2x USB2.0 (M12)	4x USB2.0 (M12) 4x USB3.0 (Type A)
	Serial	1x RS-232/422/485, 1x RS232 (M12)	6x RS-232/485 (M12, isolated)
	Ethernet	2x GbE LAN (M12)	2x GbE LAN (M12) 2x GbE LAN (RJ45)
	PoE	N/A	2x PoE/PoE+ (optional)
	Display	1x HDMI (M12)	1x VGA (M12) 1x VGA (DB15)
	SIM Card Slot	1x Nano-SIM Card slot	N/A
	CAN bus	2x Isolated CAN 2.0B	2x Isolated CAN2.0B (optional)
	GPIO	4DI and 4DO (isolated)	N/A
Expansion Slot	Mini PCIe	3x Mini PCIe (USB2.0), 1x Mini PCIe (USB3.0+2.0, supports 5G)	2x mini PCIe (one is for mSATA)
	M.2	1 x M.2 3052 key B slot 1 x M.2 2230 Key-E slot	1x M.2 3052 key B for 4G/5G
RF Communication	Wi-Fi	802.11 a/b/g/n/ac/ax (optional)	
	Cellular	4G/LTE (optional)	
	Bluetooth	BT 4.0/5.2 (optional)	
	GNSS	GPS, Glonass, BeiDou, Galileo (optional)	
Audio	Audio	1x Line-out	1x Line-out, 1x Mic in
Power	Button	Yes	
	DC Input	9 to 36VDC (M12-3P)	
	Power Consumption	10W	12W (Power adapter must be at least 72W)
	Ignition On/Off	Power on delay, default 10 seconds; Power off delay, default 10 seconds; (On/Off delay time can be changed via BIOS setting)	Optional, 5 to 32VDC-in, Vehicles need to have ACC signal Delay start, default 5 seconds Delay shutdown, default 10 seconds (Can be set by jumper)
	Battery	3350mAh, 7.2V (optional, with switch)	Optional, 10~28V DC-in, Built-in 3350mAh lithium Battery delay start, default 5 seconds Delay shutdown, default 10 seconds (Can be set by jumper)
	Power Adaptor	ATX/AT	
	Operating System	Windows	Windows 10, Windows 11
Mechanical	Linux	Ubuntu20.04	
	Dimensions (W x D x H)	270 x 159.4 x 59 mm (10.63 x 7.69 x 2.33 inches)	
	Weight (N.W.)	2.5 kg (5.51 lbs)	
	Mounting	Desktop	
Environment	Material	Aluminum and SGCC	
	Operating Temperature	-30°C to 70°C (-22°F to 158°F)	
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
	Relative Humidity	5 to 95%, non-condensing	
Certification	EMC	CE, FCC, Class A	

# Rugged Tablets



Darveen's rugged tablet PCs undergo rigorous testing to ensure unparalleled durability and resilience in extreme conditions. Engineered for enhanced productivity, our rugged tablet computers are versatile, providing optimal performance for the mobile workforce.



### Versatile Options

- Choose from Windows or Android OS, x86/ARM CPU options
- 8", 10.1" or 11.6" screen
- Supports handwriting, glove, stylus, and wet touch



### Rugged Build

- Withstands extreme temps, shocks, vibrations, drops
- IP67/IP66 and MIL-STD-810H shock & vibration proof
- Drop protection up to 1.2 m (4 ft)



### Seamless Wireless Connectivity

- Wi-Fi, Bluetooth, and 5G/4G connectivity
- Ideal for field service applications



### High Productivity

- Rich I/O: USB, Type-C, LAN, COM, mini HDMI, aviation plug
- 1D/2D barcode scanning, RFID reading, and fingerprint identification
- Sunlight-readable screen



### Enhanced Data Security

- Fingerprint, smart card, and facial recognition login
- TPM2.0



### Long-Lasting Hot-swap Battery

- 10,000 mAh battery for Android series
- Hot-swappable dual batteries for RTC-I116

## Windows Rugged Tablets

### RTC Series

- 12th gen Intel® Core™ i7/ i5 / Celeron® processor
- 8", 10.1", and 11.6" screen size, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including COM, LAN, USB, HDMI
- Removable high-capacity battery design
- Hot-swappable dual-battery design (RTC-I116 only)
- IP67/IP66 and MIL-STD-810H certified



## Android Rugged Tablets

### RTC Series

- MediaTek MT8781 Octa-core processor
- 8" and 10.1" screen size, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including COM, LAN, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



Darveen provides a full suite of accessories that bring ease of use and management.

Office Docking	Vehicle Docking	Hand Strap	Battery charger	Vehicle Charger

# Rugged Tablets

## Windows Rugged Tablets



Product Model		RTC-I81	RTC-I101	RTC-I116
Display	Size	8 inch	10.1 inch	11.6 inch
	Resolution	1280 x 800	1280 x 800 (1920 x 1200 optional)	1920 x 1080
	Luminance	700 nits	700 nits (1280 x 800); 500 nits (1920 x 1200)	1,000 nits
System	Memory	4GB DDR4 (optional 8GB)		16 GB LPDDR5 (up to 32 GB, optional)
	Storage	64GB SSD (optional 128GB)		256 GB NVMe PCIe SSD (up to 1 TB, optional)
System	TPM	N/A		TPM 2.0
	Camera	Front: 5MP fixed-focus camera Rear: 8MP autofocus camera		Front: 5MP fixed-focus camera Rear: 12MP autofocus camera
I/O Port	USB	1x USB 3.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)		2x USB 3.0 Type-A, 1x Type-C(supports power charging and datatransfer)
	Ethernet	1x RJ45 10/100/1000M		
	Display	1x Mini HDMI		
	SIM Card Slot	1x Micro SIM card slot		1x Nano SIM card slot
	TF Card Slot	1x TF card slot, up to 256GB		N/A
	Expansion port	2x Aviation plug (choose two out of three from USB, RS232 or DC-in, optional)		2x COM (1x RS232/422/485,1x RS 232, optional)
	Docking Connector	1x 12-Pin		1x 24 pin
Wireless Connectivity	Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.8G)		Wi-Fi 6E 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
	Cellular		WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41	WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48
	Bluetooth	Bluetooth® V4.2		Bluetooth® V5.3
GNSS	GPS, GLONASS, BeiDou			
Data Collection (Optional)	NFC	13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare		
	RFID	UHF RFID, supports PR9200		
	Barcode Reader	1D, 2D barcode reader		
Audio	Speaker	8Ω/1W, dual stereo speakers		8Ω/2W, dual stereo speakers
	MIC	Built-in microphone		Dual microphone
Power	DC Input	100-240V, 50-60Hz, 12VDC		100-240V, 50Hz-60Hz, PD65W
	Battery	Removable lithium-ion polymer battery,7.6V 5000mAh		Dual batteries, hot-swappable, 7.7V 58Whr, with battery indicator
Power	Battery Life	6 hours		
	Operating System	Windows	Windows 10, Windows 11	
Mechanical	Dimensions (W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)	315 x 203 x 20 mm (12.40 x 7.99 x 0.79 inches)
	Weight (N.W.)	900g (1.98lbs)	1200g (2.65 lbs)	1550 g (3.42 lbs)
Environment	Operating Temperature	-10 °C to 50 °C (14 to 122°F)		-20 °C to 60 °C (-4 to 140°F)
	Vibration	MIL-STD-810H: 2022 Method 514.8 Procedure I		
	Drop	MIL-STD-810H: 2022 Method 516.8 Procedure IV,4ft/1.2m		
Certification	IP Rating	IP67		IP66
	EMC	CE, FCC		

## Android Rugged Tablets



Product Model		RTC-M82	RTC-M102
Display	Size	8 inch	10.1 inch
	Resolution	1280 x 800	1280 x 800 (1920 x 1200 optional)
	Luminance	700 nits	700 nits (1280 x 800); 500 nits (1920 x 1200)
System	CPU	MTK MT8781. ARM Cortex-A76 Dual-core 2.2 Ghz,ARM Cortex-A55 Hexa-core 2.0GHz	
	Memory	8GB LPDDR4	
	Storage	128GB UFS	
I/O Ports	Camera	Front: 5MP fixed-focus camera Rear: 13MP autofocus camera with flash	
	USB	1x USB 2.0 Type-A 1x USB 2.0 Type-C (supports power charging and data transfer)	
	Ethernet	1x RJ45,10/100M	
	Display	1x Mini HDMI	
	SIM Card Slot	1x Micro SIM card slot	
	TF Card Slot	1x TF card slot, up to 256GB	
	Aviation Plug	2x Aviation plug (choose two out of three from USB, RS232 or DC-in)	
Wireless Connectivity	Docking Connector	1x 12-Pin	
	Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dualband (2.4G + 5.0G)	
	Cellular	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 CDMA2000:BCO/BC1 FDD:B1/B2/B3/B4/B5/B7/B8/B17/B20/B28 TDD: B34/B38/B39/B40/B41	
Data Collection (Optional)	Bluetooth	Bluetooth® V5.2	
	GNSS	GPS, GLONASS, BeiDou	
	NFC	13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare	
Audio	RFID	UHF RFID, supports PR9200	
	Barcode Reader	1D, 2D barcode reader	
Power	Fingerprint	FBI/ISO/GA certification	
	Speaker	8Ω/1W, dual stereo speakers	
Power	MIC	Built-in microphone	
	DC Input	100-240V, 50-60Hz, 5VDC	
Power	Battery	Removable lithium-ion polymer battery, 3.8V 10000mAh	
	Battery Life	8 hours	
Mechanical	Operating System	Android	
	Android	Android 16	
Mechanical	Dimensions(W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)
	Weight (N.W.)	850g (1.87lbs)	1150g (2.54 lbs)
Environment	Operating Temperature	-10 °C to 50 °C (14 to 122°F)	
	Vibration	MIL-STD-810H: 2022 Method 514.8 Procedure I	
	Drop	MIL-STD-810H: 2022 Method 516.8 Procedure IV,4ft/1.2m	
Certification	IP Rating	IP67	
	EMC	CE, FCC	

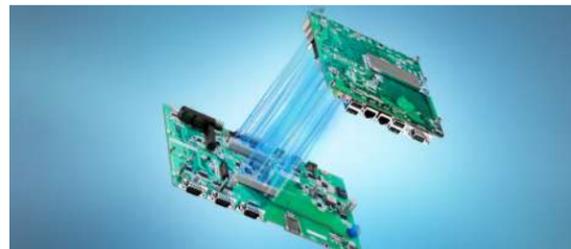


To meet diverse commercial and industrial needs, Darveen provides a comprehensive range of industrial panel PCs designed for industries such as industrial field, food processing, and healthcare applications. Darveen continuously innovates all-in-one PCs that deliver the performance and reliability expected by various sectors. These panel PCs serve as reliable HMI solutions for monitoring, controlling and interfacing in industrial environments.



### Full Selections and Various Functionalities

- Versatile options for unique environment and computing requirements
- Offers various screen sizes, touch types, properties, and CPU performance options



### Unique System Design

- Modular design supports I/O board customization and easy CPU upgrades



### Rugged Design

- Fanless cooling
- Isolated serial ports and isolated power board
- IP66/IP65, wide voltage input, and wide operating temperature



### Flexible Installation and Comprehensive Accessories

- Supports VESA and panel mounts
- Offers accessories and mounting brackets

## Industrial Panel PCs

### DPC Series

- Processor:
  - DPC-7000 and DPC-8000 series: 10th Gen high-performance Intel® Core™ i processor
  - DPC-9000 series: 12th Gen high-performance Intel® Core™ i-Series, or Alder Lake-N / Celeron® processors
- Screen size:
  - DPC-7000 and DPC-8000 series: 15.6" to 21.5" LCD with P-Cap or resistive touchscreen
  - DPC-9000 series: 8" to 21.5" LCD with P-Cap or resistive touchscreen
- Rugged aluminum housing and fanless design
- CPU and I/O boards connect via high-speed connectors, allowing easy CPU upgrades
- Supports Wi-Fi 6 (DPC-7000), Bluetooth, 4G, and 5G
- IP65 front panel



## Android Panel PCs

### APC Series

- Rockchip RK3588/RK3568 processor
- 13.3" to 21.5" LED with capacitive touchscreen
- IP65 compliant front panel
- Supports Wi-Fi, 4G, and 5G



## Stainless Steel Panel PCs

### SPC Series

- 12th Gen high-performance Intel® Core™ i5 or Celeron® processor
- 10.4" to 21.5" LCD with resistive or P-Cap touchscreen
- Stainless steel SUS 304 or 316 housing
- Full IP66/IP69K and M12 I/O connectors
- Optional Wi-Fi, Bluetooth



## Stainless Steel Front Bezel Panel PCs

### SFPC Series

- 12th Gen high-performance Intel® Core™ i or Celeron® processor
- Stainless steel SUS 304 front bezel
- 12.1" and 15" LCD with resistive or P-Cap touchscreen
- IP65 front panel
- Optional Wi-Fi, Bluetooth



## IP65 Waterproof Panel PCs

### RPC Series

- High-performance Intel® Core™ i / Celeron® processor
- 12" to 21.5" LCD with resistive or P-Cap touchscreen
- Rugged aluminum housing and fanless design
- Full IP65 and M12 I/O connectors
- Optional Wi-Fi, Bluetooth, 4G



## Medical Panel PCs

### MPC Series

- High-performance Intel® Core™ i / Celeron® processor
- 13.3" to 23.8" LCD with P-Cap touchscreen
- Aluminum front bezel and PC/ABS rear cover
- Supports Wi-Fi, 9-36V isolated power supply
- IEC 60601-1, EN 60601-1-2



## Marine Panel PCs

### MP Series

- 10th Gen high-performance Intel® Core™ i7/i5 processor
- 21.5" to 27" LCD with P-Cap touchscreen
- Rugged aluminum enclosure, fanless design
- Integrated brightness adjustment knob
- 9-36 VDC power input
- IP65 front panel



Need brackets or peripherals for your all-in-one panel PCs? We offer a wide selection of peripherals for various installations and applications. Please contact our sales team.

## Industrial Panel PCs



Product Model		DPC-7156	DPC-7185	DPC-7210
Display	Size	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1920 x 1080		
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	2x GbE LAN		
	Display	1x HDMI, 1x VGA		
	GPIO	optional		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
	M.2	1x M.2 3042 for 4G 1x M.2 3052 for 5G		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Speaker	2Ω 5W speaker		
Power	DC Input	9 to 36VDC		
	Power Adaptor	AC-DC, 12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	399 x 249 x 73 mm (15.67 x 9.80 x 2.87 inches)	467.4 x 288 x 73 mm (18.41 x 11.34 x 2.87 inches)	528 x 326 x 73 mm (20.83 x 12.83 x 2.87 inches)
	Weight (N.W.)	5.1 kg (11.24 lbs)	6.5 kg (14.33 lbs)	7.9 kg (17.4 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		

# Industrial Panel Computers

## Industrial Panel PCs



Product Model		DPC-8156	DPC-8185	DPC-8210
Display	Size	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (optional)		
	Resolution	1920 x 1080		
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	4x GbE LAN		
	Display	1x HDMI		
	GPIO	optional		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
	M.2	N/A		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	N/A		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	N/A		
Audio	Audio	Mic in, line out		
	Speaker	2Ω 5W speaker		
Power	DC Input	9 to 36VDC		
	Power Adaptor	AC-DC, 12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	399 x 249 x 73 mm (15.67 x 9.80 x 2.87 inches)	467.4 x 288 x 73 mm (18.41 x 11.34 x 2.87 inches)	528 x 326 x 73 mm (20.83 x 12.83 x 2.87 inches)
	Weight (N.W.)	5.5 kg (12.13 lbs)	5.8 kg (12.79 lbs)	7.9 kg (17.4 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		



Product Model		DPC-9080	DPC-9100	DPC-9120	DPC-9150
Display	Size	8 inch	10.1 inch	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (optional)			
	Resolution	1024 x 768	1280 x 800	1024 x 768	1024 x 768
	Luminance	400 nits	350 nits	450 nits	350 nits
	LED Lifetime	30000hrs	25000hrs	50000hrs	50000hrs
System	CPU	Intel® Celeron® J1900 processor (quad core, 2.0 GHz)	Intel® Celeron® J1900 Intel® Celeron® J6412 processor	Intel® Celeron® J6412 (2.0 GHz) processor Intel® Celeron® N97 processor Intel® Alder Lake 12th Core™i5-1235U (1.3 GHz) processor	
	Memory	4GB DDR3L 1333/ 1600MHz (Onboard)	1x SO-DIMM DDR3-1333/ 1600MHz, up to 8GB 1x SO-DIMM DDR4- 3200MHz, up to 16GB	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-3200MHz, up to 16GB 2x SO-DIMM DDR4-3200MHz, up to 64GB	
	Storage	1x full length Mini PCIe for mSATA SSD			
	I/O Port	USB	2x USB 2.0, 1x USB 3.0		2x USB 2.0, 2x USB 3.0
I/O Port	Serial	1x COM (1x RS-232)		2x COM (1x RS-232, 1x RS-232/422/485)	
	Ethernet	2x GbE LAN			
	Display	1x HDMI, 1x VGA	1x VGA	1x HDMI, 1x VGA	
	GPIO	Optional			
	Expansion Slot	1x full length Mini PCIe for Wi-Fi or mSATA			
RF Communication	Wi-Fi	Mini PCIe expansion (optional)			
	Cellular	Mini PCIe expansion (optional)			
	Bluetooth	Mini PCIe expansion (optional)			
	GNSS	Mini PCIe expansion (optional)			
Audio	Audio	Mic in, line out			
	Speaker	2Ω 5W speaker (optional)			
Power	DC Input	12VDC		12VDC, 9 to 36V(optional)	
	Power Adaptor	AC-DC, 12V@5A, 60W		AC-DC, 12V@5A, 60W,12V@7A, 84W	
Operating System	Windows	Windows 10	Windows 10/Windows 11		
Mechanical	Dimensions (W x D x H)	227x 173 x 47 mm (8.94x 6.81x 1.85 inches)	261.5x 174.6 x 38.6 mm (10.31x 6.87x 1.52 inches)	310x 248 x 62.5 mm (12.20x 9.76x 2.46 inches)	370x 294x 65 mm (14.57x 11.57x 2.56 inches)
	Weight (N.W.)	1.7 kg (3.75 lbs)	1.8 kg (3.97 lbs)	3.8 kg (8.38 lbs)	4.5 kg (9.92 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75		Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F) (with W.T. SSD/DRAM)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F)(with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

# Industrial Panel Computers

## Industrial Panel PCs



Product Model		DPC-9156	DPC-9170	DPC-9185	DPC-9210
Display	Size	15.6 inch	17 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
	Luminance	450 nits	250 nits	300 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	30000hrs	40000hrs
System	CPU	Intel® Celeron® J6412 (2.0 GHz) processor Intel® Alder Lake-N N97 (2.0GHz) processor Intel® Alder Lake 12th Core™i5-1235U (1.3 GHz) processor			
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-3200MHz, up to 64GB 2x SO-DIMM DDR4-3200MHz, up to 64GB			
	Storage	1x full length Mini PCIe for mSATA SSD			
I/O Port	USB	2x USB 2.0, 2x USB 3.0			
	Serial	2x COM (1x RS-232, 1x RS-232/422/485)			
	Ethernet	2x GbE LAN			
	Display	1x HDMI, 1x VGA			
	GPIO	optional			
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA			
RF Communication	Wi-Fi	Mini PCIe expansion (optional)			
	Cellular	Mini PCIe expansion (optional)			
	Bluetooth	Mini PCIe expansion (optional)			
	GNSS	Mini PCIe expansion (optional)			
Audio	Audio	Mic in, line out			
	Speaker	2Ω 5W speaker (optional)			
Power	DC Input	12VDC, 9 to 36V(optional)			
	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W			
Operating System	Windows	Windows 10/Windows 11			
Mechanical	Dimensions (W x D x H)	399 x 249 x 70 mm (15.71x 9.80x 2.76 inches)	393 x 330 x 66 mm (15.47x 12.99x 2.60 inches)	467.4 x 288 x 66 mm (18.41x 11.34x 2.60 inches)	528 x 326 x 66 mm (20.79x 12.83x 2.60 inches)
	Weight (N.W.)	5.9 kg (12.99 lbs)	5.6 kg (12.35 lbs)	5.9 kg (12.99 lbs)	7.9 kg (17.43 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F) (with W.T. SSD/DRAM)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F)(with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

## Android Panel PCs



Product Model		APC-8133	APC-8156	APC-8185	APC-8210
Display	Size	13.3 inch	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch			
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Luminance	300 nits	300 nits	300 nits	500 nits
	LED Lifetime	30000hrs	30000hrs	30000hrs	30000hrs
System	CPU	Rockchip RK3568 Quad-core Cortex-A55 up to 2.0GHz RK3588 quad core Cortex-A76, 2.4GHz and quad core Cortex-A55, 1.7GHz processors, NPU 6 TOPS			
	Memory	DDR4 4G (onboard) DDR4 8GB (onboard)			
	Storage	EMMC 32G (onboard) EMMC 64G (onboard)			
I/O Port	CPU	1x USB 3.0 (support OTG) 4xUSB 2.0 2x USB 3.0 (One supports OTG) 2x USB 2.0 (Optional)			
	Serial	1x COM (COM1 supports RS-232) 1x COM (COM1 supports RS-232)			
	Ethernet	1x GbE LAN 2x GbE LAN			
	Display	1x HDMI out 1x HDMI out,1x HDMI in			
RF Communication	Wi-Fi	onboard Wi-Fi 5 onboard Wi-Fi 6			
	Cellular	4G/5G (Optional)			
	Bluetooth	V4.1 V5.3			
Audio	Audio	Mic in, line out			
	Speaker	2x speaker			
Power	DC Input	12V			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Operating System	Android	Android 11 Android 13			
Mechanical	Dimensions (W x D x H)	324.5 x 202.5 x 47.3 mm (12.8 x 7.97 x 1.86 inches)	399.4 x 249.4 x 53.1 mm (15.7 x 9.8 x 2.1 inches)	467.4 x 288 x 53 mm (18.4 x 11.34 x 2.1 inches)	528.4 x 326.2 x 53 mm (20.8 x 12.84 x 2.1 inches)
	Weight (N.W.)	2.1 kg (4.63 lbs)	4.3 kg (9.48 lbs)	5.2 kg (11.46 lbs)	7.1 kg (15.65 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
Environment	Operating Temperature	-10 to 50°C (14 to 122°F)			
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 compliant front panel			

# Industrial Panel Computers

## Stainless Steel Panel PCs



Product Model		SPC-9100	SPC-9120
Display	Size	10.4 inch	12.1 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)	
	Resolution	1024 x 768	
	Luminance	400 nits	450 nits
	LED Lifetime	30000hrs	50000hrs
System	CPU	Intel® Celeron® J6412 (2.0 GHz)	
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB	
	Storage	1x full length Mini PCIe for mSATA SSD	
I/O Port	USB	4x USB2.0	
	Serial	2x COM (Supports 2x RS232 or 1x RS232 and 1x RS485) (M12)	
	Ethernet	2x GbE LAN (M12)	
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	
Power	DC Input	9 to 36VDC	
	Power Adaptor	AC-DC, 12V@5A, 60W	
Operating System	Windows	Windows 10, windows 11	
Mechanical	Dimensions (W x D x H)	292 x 238.5 x 47 mm (11.5 x 9.39 x 1.85 inches)	320 x 253.5 x 47 mm (12.6 x 9.98 x 1.85 inches)
	Weight (N.W.)	2.6 kg (5.73 lbs)	3.3 kg (7.28 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100	
	Material	Stainless steel SUS 304 or 316 (optional)	
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F) -20°C to 50°C (-4°F to 140°F)(with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	IP Rating	IP66	



Product Model		SPC-9150	SPC-9185	SPC-9210
Display	Size	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch (optional)		
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Luminance	450 nits	350 nits	300 nits
	LED Lifetime	50000hrs	30000hrs	30000hrs
System	CPU	Intel® Celeron® J6412 (2.0 GHz) Intel® Core™ i5-1235U (1.3 Ghz)		
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-3200MHz, up to 64GB		
	storage	1x full length Mini PCIe for mSATA SSD 1x M.2_2280 for NVMe SSD		
I/O Port	USB	4x USB2.0		
	Serial	2x COM (Supports 2x RS232 or 1x RS232 and 1x RS485) (M12)		
	Ethernet	2x GbE LAN (M12)		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
Power	DC Input	9 to 36VDC		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System	Windows	Windows 10, windows 11		
Mechanical	Dimensions (W x D x H)	362 x 286 x 52 mm (14.26x 11.26x 2.04 inches)	472 x 293 x 55 mm (18.6 x 11.5 x 2.2 inches)	531.3 x 329 x 52 mm (20.92 x 12.95 x 2.05 inches)
	Weight (N.W.)	5.7 kg (12.57 lbs)	7.3 kg (16.1 lbs)	7.6 kg (16.76 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
	Material	Stainless steel SUS 304 or 316 (optional)		
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F) -20°C to 50°C (-4°F to 140°F) C21(with W.T. SSD/DRAM)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP69K		

# Industrial Panel Computers

## Stainless Steel Front Bezel Panel PCs



Product Model		SFPC-9120	SFPC-9150
Display	Size	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)	
	Resolution	1024 x 768	1024 x 768
	Luminance	450 nits	350 nits
	LED Lifetime	50000hrs	
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-6200U processor Intel® Core™ i5-10210U processor Intel® Core™ i7-10710U processor	
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 2x SO-DIMM DDR3-1600MHz, up to 16GB 2x SO-DIMM DDR4-2666MHz, up to 32GB 2x SO-DIMM DDR4-2666MHz, up to 32GB	
	Storage	1x full length Mini PCIe for mSATA SSD	
	I/O Port	USB: 2x USB 2.0, 2x USB 3.0 Serial: 2x COM (1x RS-232, 1x RS-232/422/485) Ethernet: 2x GbE LAN Display: 1x HDMI, 1x VGA GPIO: optional	
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA	
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	
	Cellular	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	
	GNSS	Mini PCIe expansion (optional)	
Audio	Audio	Mic in, line out	
	Speaker	2Ω 5W speaker (optional)	
Power	DC Input	12VDC, 9 to 36V(optional)	
	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W	
Operating System	Windows	Windows 10/Windows 11	
Mechanical	Dimensions (W x D x H)	327.7x 266.2 x 64 mm (12.90 x 10.48x 2.52 inches)	386.4x 310.4x 64 mm (15.21 x 12.22 x 2.52 inches)
	Weight (N.W.)	4.6 kg (10.14 lbs)	5.4 kg (11.9 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100	
	Material	Stainless steel SUS 304 front bezel, all-metal chassis	
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F) -20°C to 60°C (-4°F to 140°F) (with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	IP Rating	IP65 (for front panel)	

## IP65 Waterproof Panel PCs



Product Model		RPC-3120	RPC-3150	RPC-3210
Display	Size	12.1 inch	15 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024 x 768	1024 x 768	1920 x 1080
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	50000hrs	40000hrs
System	CPU	Intel® Celeron® J6412 processor		
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB		
	Storage	1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 2.0 (M12)		
	Serial	1x COM (supports 1x RS232 or 1x RS485) (M12)		
	Ethernet	2x GbE LAN (M12)		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Power	DC Input	12VDC, 9 to 36VDC (optional)		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	310 x 248 x 63.1 mm (12.20 x 9.76 x 2.48 inches)	366.5 x 290.5 x 64 mm (14.43 x 11.43 x 2.52 inches)	544 x 341.8 x 67.8mm (21.42 x 13.45 x 2.67 inches)
	Weight (N.W.)	4.15 kg (9.15 lbs)	5.4 kg (11.90 lbs)	9.1 kg (20.06 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°F to 140°F) (with W.T. SSD/DRAM)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65		

# Industrial Panel Computers

## IP65 Waterproof Panel PCs



Product Model		RPC-5120	RPC-5150	RPC-5210
Display	Size	12.1 inch	15 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024 x 768	1024 x 768	1920 x 1080
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	50000hrs	40000hrs
System	CPU	Intel® Core™ i5-6200U processor		
	Memory	2x SO-DIMM DDR3-1600MHz, up to 16GB		
	Storage	1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 2.0 (M12)		
	Serial	1x COM (supports 1x RS232 or 1x RS485) (M12)		
	Ethernet	2x GbE LAN (M12)		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Power	DC Input	12VDC, 9 to 36VDC (optional)		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	310 x 248 x 63.1 mm (12.20 x 9.76 x 2.48 inches)	366.5 x 290.5 x 64 mm (14.43 x 11.43 x 2.52 inches)	544 x 341.8 x 67.8mm (21.42 x 13.45 x 2.67 inches)
	Weight (N.W.)	4.15 kg (9.15 lbs)	5.4 kg (11.90 lbs)	9.1 kg (20.06 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65		

## Medical Panel PCs



Product Model		MPC-1133	MPC-1156
Display	Size	13.3 inch	15.6 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1920 x 1080	1920 x 1080
	Luminance	300 nits	250 nits
	LED Lifetime	30000hrs	20000hrs
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-8260U processor Intel® Core™ i5-10210U processor	
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-2666MHz, up to 32GB 1x SO-DIMM DDR4-2666MHz, up to 32GB	
	Storage	1x full length Mini PCIe for mSATA SSD	
I/O Port	USB	2x USB 2.0, 1x USB 3.0	
	Serial	2x COM (1x RS-232, 1x RS-485)	
	Ethernet	2x GbE LAN	
	Display	1x HDMI	
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA	
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	
	Cellular	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	
	GNSS	Mini PCIe expansion (optional)	
Audio	Audio	line out	
	Speaker	2Ω 5W speaker (optional)	
Power	DC Input	12VDC, 9 to 36VDC(optional)	
	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W	
Operating System	Windows	Windows 10, Windows 11	
Mechanical	Dimensions (W x D x H)	322.4 x 200.4 x 47 mm (12.7 x 7.9 x 1.8 inches)	399 x 249 x 70 mm (15.7 x 9.8 x 2.7 inches)
	Weight (N.W.)	1.6 kg (3.5 lbs)	2.2 kg (4.9 lbs)
	Mounting	Wall mount bracket VESA 100	
Environment	Operating Temperature	0°C to 50°C (32°F to 122°F)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	IP Rating	IP65 (for front panel)	
Certification	EMC	CE, FCC,EN60601-1-2, IEC60601-1	

# Industrial Panel Computers

## Medical Panel PCs



Product Model		MPC-1185	MPC-1240
Display	Size	18.5 inch	23.8 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1920 x 1080	1920 x 1080
	Luminance	300 nits	250 nits
	LED Lifetime	30000hrs	30000hrs
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-8260U processor Intel® Core™ i5-10210U processor	Intel® Core™ i5-1235U (1.3 Ghz)
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-2666MHz, up to 32GB 1x SO-DIMM DDR4-2666MHz, up to 32GB	2x SO-DIMM DDR4-3200MHz, up to 64GB
	Storage	1x full length Mini PCIe for mSATA SSD	1x 2.5" SATA HDD/SSD (optional) 1x M.2 2280 NVME for SSD
I/O Port	USB	2x USB 2.0, 1x USB 3.0	4x USB 3.0
	Serial	2x COM (1x RS-232, 1x RS-485)	1x COM (RS-232), Isolated RS-485 (optional)
	Ethernet	2x GbE LAN	2x GbE LAN
	Display	1x HDMI	1x HDMI
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA	1x M.2 support M.2 2230 WIFI 1x M.2 support M.2 2242/2252 4G/5G
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	M.2
	Cellular	Mini PCIe expansion (optional)	M.2
	Bluetooth	Mini PCIe expansion (optional)	M.2
	GNSS	Mini PCIe expansion (optional)	M.2
Audio	Audio	line out	
	Speaker	2Ω 5W speaker (optional)	
Power	DC Input	12VDC, 9 to 36VDC(optional)	
	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W	
Operating System	Windows	Windows 10, Windows 11	
Mechanical	Dimensions (W x D x H)	465 x 285 x 49 mm (18.3 x 11.2 x 1.9 inches)	579.8x349.3x58mm (22.8 x 13.8 x 2.3inches)
	Weight (N.W.)	4.2 kg (9.26 lbs)	8.9 kg (19.6 lbs)
	Mounting	Wall mount bracket VESA 100	
Environment	Operating Temperature	0°C to 50°C (32°F to 122°F)	
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	IP Rating	IP65 (for front panel)	
Certification	EMC	CE, FCC,EN60601-1-2,IEC60601-1	

## Marine Panel Pcs



Product Model		MP-210	MP-240	MP-270
Display	Size	21.5 inch	23.8 inch	27 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1920 x 1080		
	Luminance	500 nits	550 nits	300 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	4x GbE LAN		
	Display	1x HDMI		
Expansion Slot	GPIO	optional		
	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	M.2	N/A		
	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	N/A		
	Bluetooth	Mini PCIe expansion (optional)		
Audio	GNSS	N/A		
	Audio	Mic in, line out		
Power	Speaker	2Ω 5W speaker		
	DC Input	9 to 36VDC		
Operating System	Power Adaptor	AC-DC, 12V@7A, 84W		
	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	534 x 351 x 75 mm (21 x 13.8 x 2.9 inches)	587.6 x 376 x 74.7 mm (23.1 x 14.8 x 2.9 inches)	651.8 x 411 x 74.7 mm (25.7 x 16.1 x 2.9 inches)
	Weight (N.W.)	7.8 kg (17.2 lbs)	8.6 kg (19 lbs)	9.8 kg (22 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		



Darveen's Industrial Touch Monitors are designed for harsh environments, offering rugged durability. They support panel and VESA mounting options. With a variety of high-quality industrial displays, they seamlessly pair with our box computers via DP/HDMI port, making them ideal for HMI applications across industries like manufacturing, public transportation, hospitality, and banking.



### Diverse Product Selections

- Available from 8 to 21.5 inches, 4:3 and 16:9 aspect ratios
- Resistive and P-Cap touch types
- Open-frame series for seamless machine integration



### High Durability

- All-metal structure (aluminum alloy) for better seismic resistance, heat dissipation and rust prevention
- IP65 front panel protection



### High Brightness and High Readability

- Sunlight readable monitors with up to 1,000 nits brightness
- Anti-glare and anti-fingerprint for better visual effects



### Flexible Installation Options

- Supports panel mount or 75/100mm VESA mount installation

## Ultra-thin Industrial Monitors

### DPM Series

- 8" to 21.5" LED-backlit LCD with 5-wire resistive or P-Cap touchscreen
- Rugged aluminum enclosure
- Supports VGA, DVI, HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount
- IP65 compliant front panel



## High-brightness Industrial Monitors

### DPM High-brightness Series

- 10.1"/ 12.1"/ 15.6" LED-backlit LCD with capacitive touchscreen
- High brightness up to 1,000 nits
- Rugged aluminum enclosure
- Supports VGA, DVI, HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount
- IP65 compliant front panel



## Open Frame Monitors

### OFM Series

- 8"/ 12.1"/ 15"/ 15.6" LCD with P-Cap or resistive touchscreen
- Open frame architecture design
- Supports VGA, DVI, DP/HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount



## Ultra-thin Industrial Monitors



Product Model		DPM-1080	DPM-1101	DPM-1120	DPM-1150
Display	Size	8 inch	10.1 inch	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1024 x 768	1280 x 800	1024 x 768	1024 x 768
	Luminance	400 nits	350 nits	450 nits	350 nits
	LED Lifetime	30000hrs	25000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0			
	Display	1x HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	227 x 173 x 35.5 mm (8.94 x 6.81 x 1.40 inches)	261.5x 174.6 x 29 mm (10.30 x 6.87 x 1.14 inches)	310x 248 x 41.5 mm (10.30 x 6.87 x 1.14 inches)	370 x 294 x 41.5 mm (14.57x 11.57x 1.63 inches)
	Weight (N.W.)	1.2 kg (2.65 lbs)	1.1 kg (2.43 lbs)	2.45 kg (5.40 lbs)	3.45 kg (7.62 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75		Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			



Product Model		DPM-1156	DPM-1170	DPM-1185	DPM-1210
Display	Size	15.6 inch	17 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
	Luminance	450 nits	250 nits	300 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	30000hrs	40000hrs
I/O Port	USB	1x USB2.0			
	Display	1x HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	399 x 249 x 46 mm (15.71 x 9.80 x 1.81 inches)	393 x 330 x 45.3 mm (15.47x 12.99x 1.78 inches)	467.4 x 288 x 46 mm (18.41x 11.34x 1.81 inches)	528 x 326 x 47.3 mm (20.79x 12.83x 1.86 inches)
	Weight (N.W.)	3.5 kg (7.72 lbs)	3.45 kg (7.62 lbs)	6.1 kg (13.45 lbs)	6.9 kg ( 15.21 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

## High-brightness Industrial Monitors



Product Model		DPM-1101G	DPM-1120G	DPM-1156G
Display	Size	10.1 inch	12.1 inch	15.6 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1920 x 1080	1024 x 768	1920 x 1080
	Luminance	1000 nits	1000 nits	1000 nits
	LED Lifetime	25000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0		
	Display	1x HDMI, 1x VGA, 1x DVI		
Power	DC Input	12 to 24VDC		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Mechanical	Dimensions (W x D x H)	261.5x 174.6 x 29 mm (10.30 x 6.87 x 1.14 inches)	310x 248 x 41.5 mm (10.30 x 6.87 x 1.14 inches)	399 x 249 x 46 mm (15.71 x 9.80 x 1.81 inches)
	Weight (N.W.)	1.1 kg (2.43 lbs)	2.45 kg (5.40 lbs)	3.5 kg (7.72 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75	Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		

## Open Frame Monitors



Product Model		OFM-1080	OFM-1120	OFM-1150	OFM-1156
Display	Size	8 inch	12.1 inch	15 inch	15.6 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1024 x 768	1024 x 768	1024 x 768	1920 x 1080
	Luminance	400 nits	450 nits	350 nits	450 nits
	LED Lifetime	30000hrs	50000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0			
	Display	1x HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	209 x 167 x 32.2 mm (8.2 x 6.6 x 1.2 inches)	311.6 x 240 x 34.5 mm (12.2 x 9.4 x 1.4 inches)	350.9 x 277.9 x 35 mm (13.8 x 10.9 x 1.4 inches)	388.2 x 240.3 x 35 mm (15.2 x 9.5 x 1.4 inches)
	Weight (N.W.)	1.1 kg (2.2 lbs)	2.2 kg (4.8 lbs)	3.25 kg (7.1 lbs)	3.0 kg (6.6 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			

# Embedded Box Computers



Darveen's fanless embedded box computers offer a versatile and reliable solution for various applications. Featuring exceptional system performance, diverse I/O connectivity options, wide voltage support, and robust construction, these systems provide the ideal platform for modern industrial computing requirements. They enable timely, data-driven decision-making at the edge.



## Full Edge AI Solutions

- MIC Series for AOI defect detection
- EAC Series for machine vision
- DBC Series for data acquisition
- NBC Series for AGV



## Outstanding System Design

- Aluminum housing enhances heat dissipation
- Fanless and cableless design
- Modular CPU and I/O board design with custom I/O board options available



## Rugged Reliability

- Wide operating temperature
- Isolated serial ports
- Wide voltage power input



## Rich I/O Interfaces

- Supports USB, LAN, COM, DIO, GPIO, and CAN
- Mini PCI and PCI/PCIe for extra expansion

## Modular Industrial Computers

### MIC Series

- Processor:
  - MIC-7000 series: High-performance desktop 9th/8th/7th/6th Gen Intel® Core™ i
  - MIC-8000 series: High-performance desktop 11th/10th Gen Intel® Core™ i
  - MIC-9000 series: High-performance desktop 14th/13th/12th Gen Intel® Core™ i
- Modular I/O combination, easy for I/O board customization
- Up to 2x or 4x PCI/PCIe expansion slots for GPU, network or other PCIe cards
- Supports a full-length GPU card up to 300W (MIC-9X02GLF)
- Supports Wi-Fi 6, Bluetooth, 5G/4G, GPS



## Edge AI Computers

### EAC Series

- High-performance desktop 14th/13th/12th Gen Intel® Core™ i
- MXM GPU module expansion
- Multiple GbE LAN with PoE support
- Flexible expansion for Wi-Fi, Bluetooth, LTE, and GPS
- Wide 9-48V DC input range



## Compact Embedded Computers

### NBC Series

- Intel® low-power Core™ i7/i5/i3 / Celeron® processor
- Rich I/O interfaces, including USB, LAN, COM, VGA, HDMI
- 1x M.2 2230 E-Key and 1x full length Mini PCIe socket
- Supports Wi-Fi, Bluetooth, 4G, CAN2.0B (optional)



## DIN-Rail IPCs

### DBC Series

- Intel® low-power Core™ i7/i5/i3 / Celeron® processor
- 1x Full-length Mini PCIe, 1x M.2 2230 E-Key
- DIN-rail mounting for quick, standardized installation
- Compact design for seamless control cabinet integration



## Marine Embedded Computers

### MC Series

- 13th Gen Intel® Core™ i3/i5/i7 Processor
- 4x NMEA 0183 (RS-422/485), 8 x isolated DIO ports
- Optional Wi-Fi, Bluetooth, LTE/5G, GPS, CAN2.0
- Compliant with IEC 60945



# Embedded Box Computers

## Modular Industrial Computers



Product Model		MIC-7000	MIC-7100	MIC-7400
System	CPU	9th/8th/7th/6th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H110		
	Memory	2x DDR4 SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA		
	Graphics	Intel® HD Graphics 530		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	4x COM(1x RS-232/485, 1 xRS-485,2 xRS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT
	Display	2x DP, 1x VGA		
	SIM Card Slot	1x SIM		
	Antenna	2x SMA-type		
Expansion Slot	Mini PCIe	1x full length Mini PCIe		
	M.2	1x M.2 M-Key 2280		
RF Communication	Wi-Fi	Mini-Pcie Expansion (optional)		
	Cellular	Mini-Pcie Expansion (optional)		
	Bluetooth	Mini-Pcie Expansion (optional)		
	GNSS	Mini-Pcie Expansion (optional)		
Audio	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	N/A	4-Pin remote	
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@5A, 120W		
Operating System	Power Mode	AT/ATX		
	Windows	Windows 7, Windows 10		
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	220x256x76mm (8.66x10.08x2.99 inches)		
	Weight (N.W.)	4.3kg(9.48 lbs)		
	Mounting	Wall-mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 50°C (14°F to 122°F ,with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
Certification	Relative Humidity	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		



Product Model		MIC-7011	MIC-7111	MIC-7411
System	CPU	9th/8th/7th/6th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H110		
	Memory	2x DDR4 SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA		
	Graphics	Intel® HD Graphics 530		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	
	Serial	2x COM (1x RS-232/485)	6x COM (3x RS-232/485)	4x COM (1x RS-232/485, 1x RS-485, 2xRS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM,5x Intel® I210-AT
	Display	2x DP, 1x VGA		
	SIM Card Slot	1x SIM		
	DIO	N/A		
Expansion Slot	CAN bus	N/A		
	Antenna	2x SMA-type		
	PCI/PCIe	1x PCI, 1x PCIe16		
	Mini PCIe	1x full length Mini PCIe		
RF Communication	M.2	1x M.2 M-Key 2280		
	Wi-Fi	Mini-Pcie Expansion (optional)		
	Cellular	Mini-Pcie Expansion (optional)		
	Bluetooth	Mini-Pcie Expansion (optional)		
Audio	GNSS	Mini-Pcie Expansion (optional)		
Power	Audio	Mic in, line out		
	Button	Yes		
	Remote Power On/Off	N/A	4-Pin remote	
	DC Input	24VDC		
Operating System	Power Adaptor	AC-DC, 24V@5A, 120W		
	Power Mode	AT/ATX		
Mechanical	Windows	Windows 7, Windows 10		
	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.36 inches)		
Environment	Weight (N.W.)	4.6kg (10.15 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Certification	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C(-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
EMC	CE, FCC, Class A			

# Embedded Box Computers

## Modular Industrial Computers



Product Model		MIC-7022(G)	MIC-7122(G)	MIC-7422(G)
System	CPU	9th/8th/7th/6th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H110		
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA		
	Graphics	Intel® HD Graphics 530		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		
	Display	2x DP, 1x VGA		
	SIM Card Slot	1x SIM		
	DIO	N/A		
	CAN bus	N/A		
	Antenna	2x SMA-type		
	PCI/PCIe	2x PCI, 1x PCIe x16, 1x PCIe x4		
	Mini PCIe	1x full length Mini PCIe		
Expansion Slot	M.2	1x M.2 M-Key 2280		
	Wi-Fi	Mini-PCIe Expansion (optional)		
	Cellular	Mini-PCIe Expansion (optional)		
	Bluetooth	Mini-PCIe Expansion (optional)		
	GNSS	Mini-PCIe Expansion (optional)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	N/A	4-Pin remote	
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@5A 120W (for MIC-7022/7122/7422) 24V@20A 480W (for MIC-7022G/7122G/7422G GPU expansion)		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 7, Windows 10		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)		
	Weight (N.W.)	4.6kg (10.15 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°Cto 80°C(-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		



Product Model		MIC-8000	MIC-8100	MIC-8400
System	CPU	11th/10th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
Watchdog Timer	Software programmable supports 256 levels system reset			
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	
	Serial	2x COM (1x RS-232/485)	6x COM (3x RS-232/485)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	Antenna	6x SMA-type		
	Expansion Slot	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052	
RF Communication	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
Audio	GNSS	1x M.2 3052 B-Key (USB3.0)		
	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
Operating System	Power Mode	AT/ATX		
	Windows	Windows 10/11		
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 76mm		
	Weight (N.W.)	(8.66 x 10.08 x 2.99 inches)		
	Mounting	4.3kg (9.48 lbs)		
	Material	Wall-mount		
Environment	Operating Temperature	Aluminum alloy		
	Storage Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Relative Humidity	-40°C to 80°C (-40°F to 176°F)		
Certification	EMC	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		

# Embedded Box Computers

## Modular Industrial Computers



Product Model		MIC-8011	MIC-8111	MIC-8411
System	CPU	11th/10th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	
	Serial	2x COM (1x RS-232/485)	6x COM (3x RS-232/485)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	Antenna	6x SMA-type		
Expansion Slot	PCI/PCIe	1x PCI, 1x PCIe x16		
	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052		
RF Communication	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Audio	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
Operating System	Power Mode	AT/ATX		
	Windows	Windows 10/11		
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.35 inches)		
	Weight (N.W.)	4.6kg (10.14 lbs)		
	Mounting	Wall-mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
Certification	Relative Humidity	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		



Product Model		MIC-8022(G)	MIC-8122(G)	MIC-8422(G)
System	CPU	11th/10th Gen Intel® Core™ i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	
	Serial	2x COM (1x RS-232/485)	6x COM (3x RS-232/485)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	Antenna	6x SMA-type		
Expansion Slot	PCI/PCIe	2x PCI, 1x PCIe x16, 1xPCIe x4		
	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key2230, 1x M.2 B-Key 3052		
RF Communication	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Audio	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W (for MIC-8022/8122/8422) 24V@20A 480W (for MIC-8022G/8122G/8422G GPU expansion)		
Operating System	Power Mode	AT/ATX		
	Windows	Windows 10/11		
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)		
	Weight (N.W.)	5.6kg (12.35 lbs)		
	Mounting	Wall-mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
Certification	Relative Humidity	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		

# Embedded Box Computers

## Modular Industrial Computers



Product Model		MIC-9000	MIC-9100	MIC-9400
System	CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3		
	Chipset	Intel® H610/Q670		
	Memory	2x DDR5 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA (H610) / 2x M.2 2280 RAID 0/1 (Q670)		
	Graphics	Intel® UHD Graphics 770		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	TPM2.0 (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0 (H610) / 6x USB3.0 (Q670)	4x USB 2.0 & 4x USB 3.0 (H610) / 2x USB 2.0 & 6x USB 3.0 (Q670)	
	Serial	2x COM (1x RS-232/485, 1x RS-232)	6x COM (4x RS-232/485, 2x RS-232)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)
	Ethernet	1x Intel® I219, 2x Intel® I210-AT		
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	CAN	2x CAN 2.0B (optional, Share with M.2 2230)		
	Antenna	6x SMA-type		
	PCI/PCIe	N/A		
Expansion Slot	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052 (Share with M.2 2280)		
	Wi-Fi	1x M.2 2230 E-Key		
RF Communication	Cellular	1x M.2 3042/3052 B-Key		
	Bluetooth	1x M.2 2230 E-Key		
	GNSS	1x M.2 3042/3052 B-Key		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 76mm (8.66 x 10.08 x 2.99 inches)		
	Weight (N.W.)	4.3kg (9.48 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC, FCC, Class A			



Product Model		MIC-9011	MIC-9111	MIC-9411
System	CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3		
	Chipset	Intel® H610/Q670		
	Memory	2x DDR5 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA (H610) / 2x M.2 2280 RAID 0/1 (Q670)		
	Graphics	Intel® UHD Graphics 770		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	TPM2.0 (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0 (H610) / 6x USB3.0 (Q670)	4x USB 2.0 & 4x USB 3.0 (H610) / 2x USB 2.0 & 6x USB 3.0 (Q670)	
	Serial	2x COM (1x RS-232/485, 1x RS-232)	6x COM (4x RS-232/485, 2x RS-232)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)
	Ethernet	1x Intel® I219, 2x Intel® I210-AT		
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	CAN	2x CAN 2.0B (optional, Share with M.2 2230)		
	Antenna	6x SMA-type		
	PCI/PCIe	1x PCI, 1x PCIe x16		
Expansion Slot	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052 (Share with M.2 2280)		
	Wi-Fi	1x M.2 2230 E-Key		
RF Communication	Cellular	1x M.2 3042/3052 B-Key		
	Bluetooth	1x M.2 2230 E-Key		
	GNSS	1x M.2 3042/3052 B-Key		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 136 mm (8.66 x 10.08 x 5.36 inches)		
	Weight (N.W.)	4.6 kg (10.15 lb)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC, FCC, Class A			

# Embedded Box Computers

## Modular Industrial Computers



Product Model		MIC-9022(G)	MIC-9122(G)	MIC-9422(G)
System	CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3		
	Chipset	Intel® H610/Q670		
	Memory	2x DDR5 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA (H610) / 2x M.2 2280 RAID 0/1 (Q670)		
	Graphics	Intel® UHD Graphics 770		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	TPM2.0 (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0 (H610) / 6x USB3.0 (Q670)	4x USB 2.0 & 4x USB 3.0 (H610) / 2x USB 2.0 & 6x USB 3.0 (Q670)	
	Serial	2x COM (1x RS-232/485, 1x RS-232)	6x COM (4x RS-232/485, 2x RS-232)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)
	Ethernet	1x Intel® I219, 2x Intel® I210-AT		1x Intel® I219, 5x Intel® I210-AT
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	CAN	2x CAN 2.0B (optional, Share with M.2 2230)		
	Antenna	6x SMA-type		
	Expansion Slot	PCI/PCIe	2x PCI, 1x PCIe x16, 1x PCIe x4 (x2 signal) Supports a GPU card up to 300W on MIC-9022G, MIC-9122G, and MIC-9422G	
M.2		2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052 (Share with M.2 2280)		
RF Communication	Wi-Fi	1x M.2 2230 E-Key		
	Cellular	1x M.2 3042/3052 B-Key		
	Bluetooth	1x M.2 2230 E-Key		
Audio	GNSS	1x M.2 3042/3052 B-Key		
	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W (for MIC-9022/9122/9422) 24V@20A 480W (for MIC-9022G/9122G/9422G GPU expansion)		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 176 mm (8.66 x 10.08 x 6.93 inches)		
	Weight (N.W.)	5.6 kg (12.35 lb)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		



Product Model		MIC-9002GLF	MIC-9102GLF	MIC-9402GLF
System	CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3		
	Chipset	Intel® Q670		
	Memory	2x DDR5 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA, 2x removable 2.5" HDD, RAID 0/1		
	Graphics	Intel® UHD Graphics 770		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	TPM2.0 (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	6x USB3.0	2x USB 2.0, 6x USB3.0	
	Serial	2x COM (1x RS-232/485, 1x RS-232)	6x COM (4x RS-232/485, 2x RS-232)	4x COM (1x RS-232/485, 1x RS-485, 2x RS-232)
	Ethernet	1x Intel® I219, 2x Intel® I210-AT		
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	CAN	2x CAN 2.0B (optional, Share with M.2 2230)		
Expansion Slot	PCI/PCIe	1x PCIe x16, 1x PCIe x4 (x2 signal) Supports a full-length GPU card up to 300W		
	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052 (Share with M.2 2280)		
RF Communication	Wi-Fi	1x M.2 2230 E-Key		
	Cellular	1x M.2 3042/3052 B-Key		
	Bluetooth	1x M.2 2230 E-Key		
Audio	GNSS	1x M.2 3042/3052 B-Key		
	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24 VDC		
	Power Adaptor	24V 20A 480W		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 390 x 176mm (8.66 x 15.35 x 6.93 inches)		
	Weight (N.W.)	7.6kg (16.76lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		

# Embedded Box Computers

## Edge AI Computers



Product Model		EAC-4100F
System	CPU	14th/13th/12th Gen Intel® Core™ i7/i5/i3
	Chipset	Intel® Q670
	Memory	2x DDR4 3200 MHz SO-DIMM up to 64GB
	Storage	1x M.2 2280 NVMe PCIe x4 SSD 2x removable 2.5" SSD drive bays, RAID 0,1 hot-swappable
	TPM	TPM2.0 (optional)
I/O Port	USB	8x USB 3.2
	Ethernet	6x GbE LAN
	PoE	4x POE (optional, total Max. 60W)
	Display	1x HDMI, 1x DP Or 2x HDMI, 2x DP (optional, by MXM GPU)
	SIM Card Slot	4x Micro SIM
	Antenna	4x SMA-type
Expansion Slot	Mini PCIe	2x Mini PCIe slot
	M.2	1x M.2 2280 NVME 1x M.2 2230 E-Key 1x M.2 3042/3052 B-Key
RF Communication	Wi-Fi	1x M.2 2230 E-Key
	Cellular	1x M.2 3042/3052 B-Key
	Bluetooth	1x M.2 2230 E-Key
	GNSS	1x M.2 3042/3052 B-Key
Audio	Bluetooth	Mic in, line out
Power	Button	Yes
	DC Input	9-48V DC
	Remote Power On/Off	4-Pin Remote SW & Power LED
	Ignition On/Off	ACC function
	Power Mode	AT/ATX
Operating System	Windows	Windows 10, Windows 11
	Linux	Ubuntu
Mechanical	Dimensions (W x D x H)	260 x 220 x 77mm (10.27 x 8.66 x 3.03 inches)
	Weight (N.W.)	5.6kg (12.35 lbs)
	Mounting	Wall mount
	Material	Aluminum alloy
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)
	Relative Humidity	10% to 95% (non-condensing)
Certification	EMC	CE, FCC, Class A

## Compact Embedded Computers



Product Model		NBC-1120-N100
System	CPU	Intel® Alder Lake-N N100
	Memory	1x DDR4 3200 MHz SO-DIMM up to 16GB
	Storage	1x 2.5" SATA HDD 1 x M.2 M-Key 2280 SATA
	BIOS	AMI UEFI
	TPM	BIOS
	Watchdog Timer	Software programmable supports 256 levels system reset
I/O Port	USB	2x USB 2.0, 4x USB 3.0 (1x TYPE-C)
	Serial	2x COM (2x RS-232/485)
	Ethernet	2x RJ45 GbE Intel® I226-V
	Display	2x HDMI, 1x DP
	SIM Card Slot	1x Internal SIM card slot
	CAN bus	N/A
	Antenna	2x SMA Antenna Holes
Expansion Slot	Mini PCIe	1x Full length mini PCIe
	M.2	1x M.2 E-Key 2230 1 x M.2 M-Key 2280 SATA
RF Communication	Wi-Fi	Wi-Fi 6 (M.2 2230)
	Cellular	4G-LTE (Mini PCIe)
	Bluetooth	Bluetooth 5.0 (M.2 2230)
	GNSS	GPS/Glonass/BeiDou (Mini PCIe)
Audio	Audio	Mic in, line out
Power	Button	Yes
	DC Input	12VDC
Operating System	Windows	Windows 10, Windows 11
	Linux	Ubuntu
Mechanical	Dimensions (W x D x H)	135x 127x 59mm (5.32 x 5 x 2.32 inches)
	Weight (N.W.)	1kg (2.2 lbs)
	Mounting	Wall mount
Environment	Material	Aluminum alloy
	Operating Temperature	-10°C to 60°C (14°F to 140°F, with SSD Airflow 0.7m/s)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing
Certification	EMC	CE, FCC, Class A

# Embedded Box Computers

## Compact Embedded Computers



Product Model		NBC-1360	
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 SATA	
	BIOS	AMI UEFI	
	TPM	BIOS	
	Watchdog Timer	Software programmable supports 256 levels system reset	
I/O Port	USB	4x USB 2.0, 4x USB 3.0	
	Serial	2x COM (RS-232/485)	
	Ethernet	2x RJ45 GbE Intel® I210AT	
	Display	1x HDMI	
	SIM Card Slot	1x SIM card slot (inside)	
	CAN bus	N/A	
	Antenna	2x SMA antenna holes	
Expansion Slot	Mini PCIe	1x Full length mini PCIe	
	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)
	Cellular	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)
	GNSS	Mini PCIe expansion (optional)	
Audio	Audio	Mic in, line out	
Power	Button	Yes	
	DC Input	9-36VDC	
Operating System	Windows	Windows 10, windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	152x 138x 53mm (5.98 x 5.43 x 2.09 inches)	
	Weight (N.W.)	1.3 kg (2.87 lbs)	
	Mounting	Wall mount	
	Material	Aluminum alloy	
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)	
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)	
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing	
Certification	EMC	CE, FCC, Class A	



Product Model		NBC-2360	
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB	
	Storage	1x M.2 2280 NVME	
	BIOS	AMI UEFI	
	TPM	BIOS	
	Watchdog Timer	Software programmable supports 256 levels system reset	
I/O Port	USB	2x USB 2.0, 4x USB 3.0	
	Serial	6x COM (2x RS-232/485)	
	Ethernet	2x RJ45 GbE Intel® I210AT	
	Display	1x HDMI	
	SIM Card Slot	1x SIM card slot (inside)	
	CAN bus	2x CAN2.0B (optional)	
	Antenna	2x SMA antenna holes	
Expansion Slot	Mini PCIe	1x Full length mini PCIe	
	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)
	Cellular	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)
	GNSS	Mini PCIe expansion (optional)	
Audio	Audio	Mic in, line out	
Power	Button	Yes	
	DC Input	9-36VDC	
Operating System	Windows	Windows 10, windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	152x 138x 53mm (5.98 x 5.43 x 2.09 inches)	
	Weight (N.W.)	1.3 kg (2.87 lbs)	
	Mounting	Wall mount	
	Material	Aluminum alloy	
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)	
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)	
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing	
Certification	EMC	CE, FCC, Class A	

# Embedded Box Computers

## DIN-Rail IPCs



Product Model		DBC-3200	
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME	
I/O Port	USB	2x USB 2.0, 4x USB 3.0	
	Serial	4x COM (4x RS-232 or 2x RS-232, 2x RS-485)	
	Ethernet	2x GbE LAN	
	Display	1x HDMI	
	SIM Card Slot	1x SIM card slot	
	DIO	N/A	
	CAN bus	2x CAN 2.0B (optional)	
	Expansion Slot	Mini PCIe	1x Full length Mini PCIe
M.2		1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key
	Cellular	Mini PCIe	
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key
	GNSS	Mini PCIe	
Audio	Audio	Mic in, Line out	
Power	DC Input	9-36VDC	
Operating System	Windows	Windows 10, Windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	176x 120x 60mm (6.93 x 4.72 x 2.36inches)	
	Weight (N.W.)	2.0kg (4.41lbs)	
	Mounting	DIN-Rail/Wall mount (optional)	
Environment	Operating Temperature	-10°C to 60°C (14°F to 142°F)	
Certification	EMC	CE, FCC, Class A	



Product Model		DBC-3300	
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME	
I/O Port	USB	2x USB 2.0, 4x USB 3.0	
	Serial	6x COM (6x RS-232 or 4x RS-232, 2x RS-485)	
	Ethernet	2x GbE LAN (4x GbE LAN, optional)	
	Display	1x HDMI	
	SIM Card Slot	1x SIM card slot	
	DIO	N/A	
	CAN bus	2x CAN 2.0B (optional)	
	Expansion Slot	Mini PCIe	1x Full length Mini PCIe
M.2		1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key
	Cellular	Mini PCIe	
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key
	GNSS	Mini PCIe	
Audio	Audio	Mic in, Line out	
Power	DC Input	9-36VDC	
Operating System	Windows	Windows 10, Windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	176x 120x 76mm (6.93 x 4.72 x 3 inches)	
	Weight (N.W.)	2.2kg (4.85lbs)	
	Mounting	DIN-Rail/Wall mount (optional)	
Environment	Operating Temperature	-10°C to 60°C (14°F to 141°F)	
Certification	EMC	CE, FCC, Class A	

# Embedded Box Computers

## DIN-Rail IPCs



Product Model		DBC-3400	
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-1215U/i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME	
I/O Port	USB	2x USB 2.0, 4x USB 3.0	
	Serial	5x COM (5x RS-232 or 3x RS-232, 2x RS-485)	
	Ethernet	2x GbE LAN	
	Display	1x HDMI	
	SIM Card Slot	1x SIM card slot	
	DIO	8x Opto-isolated DIO/16x Opto-isolated DIO (optional)	
	CAN bus	2x CAN 2.0B (optional)	
Expansion Slot	Mini PCIe	1x Full length Mini PCIe	
	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key
	Cellular	Mini PCIe	
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key
	GNSS	Mini PCIe	
Audio	Audio	Mic in, Line out	
Power	DC Input	9-36VDC	
Operating System	Windows	Windows 10, Windows 11	
	Linux	Ubuntu	
Mechanical	Dimensions (W x D x H)	176x 120x 76mm (6.93 x 4.72 x 3 inches)	
	Weight (N.W.)	2.2kg (4.85lbs)	
	Mounting	DIN-Rail/Wall mount (optional)	
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)	
Certification	EMC	CE, FCC, Class A	

## Marine Embedded Computers



Product Model		MC-346	
System	CPU	Intel Core™ i3-1315UE/ Intel Core™ i5-1345UE/ Intel Core™ i7-1365UE processor	
	Memory	2x SO-DIMM DDR5-4800/5200 MT/s (up to 64GB)	
	Storage	1x M.2 Key M 2242/2280, Nvme PCIe x4 SSD 2x removable 2.5" SSD drive bays, RAID 0,1 Hot-swap	
I/O Port	Graphics	Intel® HD Graphics	
	USB	4x USB3.0, 2x USB2.0	
	Serial	4x NMEA0183 (RS-422/485), 2x DB9(RS-232/422/485)	
	Ethernet	4x 2.5GbE LAN	
	PoE	N/A	
	Display	2x DP++ (Up to 4K each)	
	SIM Card Slot	1x Nano-SIM Card slot	
Expansion Slot	CAN bus	2x CAN2.0B (optional)	
	GPIO	8x isolated DIO	
	Antenna	5x SMA Holes	
RF Communication	Mini PCIe	1x mini PCIe slot	
	M.2	1x M.2 Key M 2242/2280 Nvme, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052	
Audio	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)	
	Cellular	1x M.2 3052 B-Key (USB3.0)	
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)	
	GNSS	1x Mini PCIe (USB2.0)	
Power	Audio	1x Line-out, 1x MIC in	
	Button	Yes	
	DC Input	9 to 36V DC-IN (2-Pin Phoenix terminal 5.08 mm)	
Operating System	Remote Power On/Off	2-Pin phoenix terminal (3.81 mm)	
	Power Adaptor	AC-DC, 24V@5A, 120W	
Mechanical	Windows	Windows 10/11	
	Linux	Ubuntu22.04	
	Dimensions (W x D x H)	216 x 164 x 82mm (8.5 x 6.46 x 3.23 inches)	
	Weight (N.W.)	3.5kg (7.72 lbs)	
Environment	Mounting	Desktop	
	Material	Aluminum and SGCC	
	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
Certification	Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
	Relative Humidity	5 to 95%, non-condensing	
	EMC	IEC 60945/61162-1/2, IACS E10 certified (Pending)	