FM10

10.4inch Vehicle Computer Mounts with Intel Atom® E3845

KEY FEATURES

- Intel® Quad Core Atom® E3845 Processor Windows Vehicle Computer Mounts
- 10.4" 1024 x 768 Panel with anti-scratch resistive touch screen
- Field replaceable front panel to reduce service costs
- Magnesium alloy housing
- IP65 waterproof and dustproof
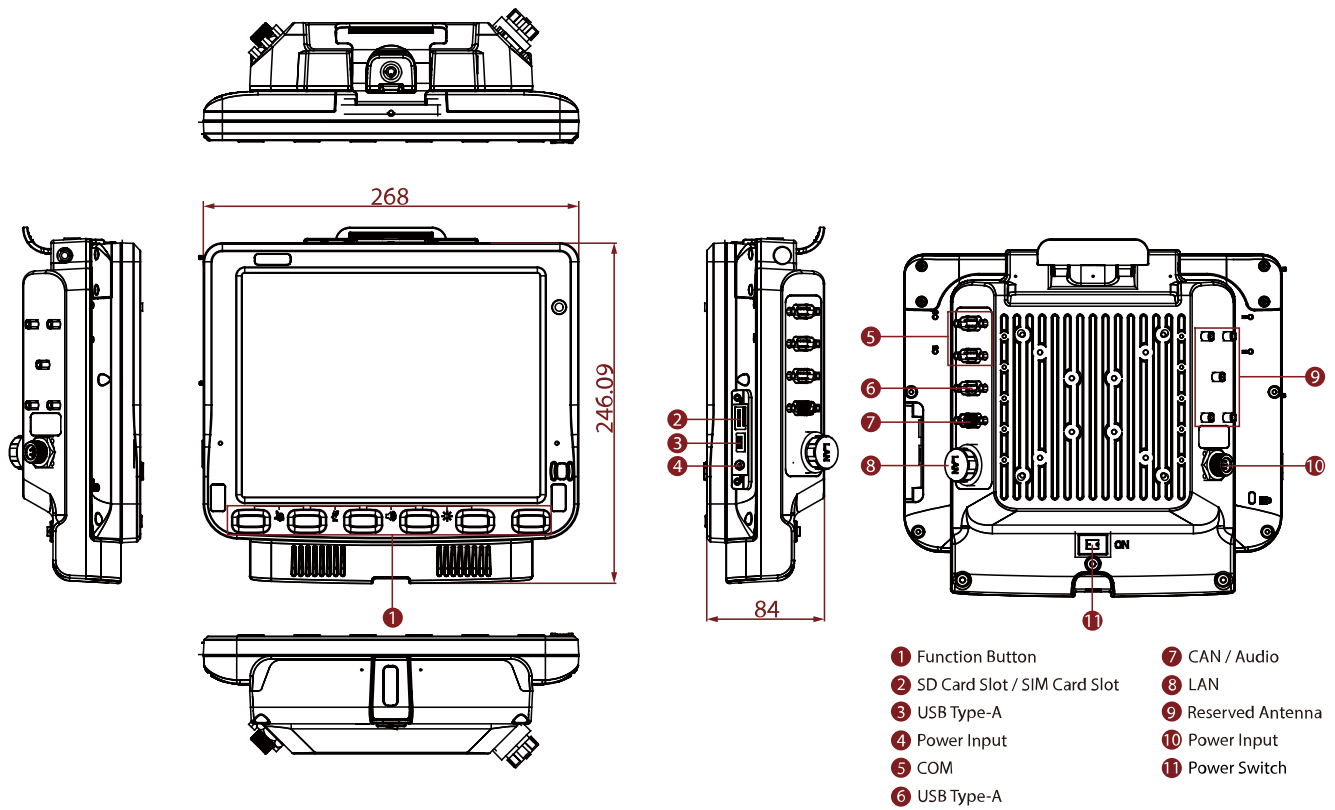- Wide range operating temperature

CE FC IC IP65 COMPLIANT MIL-STD 810G PTCRB UL

SPECIFICATIONS

Display

Resolution	1024x768	**Size**	10.4 inches
Contrast Ratio	1200:1	**Panel Brightness**	400 nits 800 nits(Optional)
View Angles	88,88,88,88	**Type**	Resistive Touch
Touch Mode	Support Stylus Mode		

System Specification

Processor	Intel Atom E3845 1.91GHz	**Memory**	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 SSD 128GB 256GB (Optional)	**Security**	TPM 1.2
Operating System	Windows 10 IoT Enterprise (64 bit) Windows 7 Professional for Embedded System (Optional) Windows Embedded Standard 7 (Optional)	**WLAN**	Support
BT	Support	**WWAN**	4G/LTE (Optional)
GNSS	GPS/AGPS	**Sensors**	G-Sensor, Light Sensor ,Temp Sensor

Camera

Front Camera	2MP Camera

Environment

Operating Humidity	5% to 90% RH, Non-Condensing	**Operating Temperature**	-30°C to 50°C
Storage Temperature	-30°C to 60°C	**Shock**	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	**IP rating**	IP65
Impact	Support EN62262 IK07 Rating	**ESD**	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air

Certification

Certification	CE, FCC FCC (Electromagnetic Emissions), IC (ICES-003) UL60950-1, EN60950-1, PTCRB

Control

Button	1 x Power Button, 6 x Function Button (Programmable Function Key Configured by Winset)		

IO Ports

USB Port	1 x USB 3.0(Tablet) 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	**Serial Port**	2 x COM Port(Docking)
SD Card Slot	1 x Micro SD Card Slot(Tablet)	**SIM Card Slot**	1 x SIM Card Slot(Tablet)
Audio	2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	**LAN**	1 x Gigabit LAN port(Docking)
Indicator	6 x LED Indicator (WLAN, BT, UPS battery, HDD, Screen Blanking, Heater)	**CANBUS**	1 x CANBUS / Audio

Mechanical

Dimension	Tablet: 268 x 214 x 35 mm (10.6 x 8.42 x 1.37 inches) Docking: 202 x 245 x 52 mm (7.9 x 9.6 x 2.04 inches)	**Weight**	Tablet 1.7 kg (3.75 lbs) Docking 1.6 kg (3.53 lbs)
Mounting	RAM Mount/ VESA Mount	**Cooling System**	Fanless Design
Docking Housing	Aluminum Alloy Housing		

Security Function

SOTI MobiControl	SOTI MobiControl Compliance

Accessory

Accessory	5M Power Cable with Fuse Kit 0.3M USB Cable 0.15M Power Converter Cable DC Jack Power Cable 84W Adapter with power cable Cable Clamp Kit Wi-Fi Antenna x 2 Quick Start Guide External Antenna Fixing Bracket Dock + Latch Locking Key Stylus Kit + Screw	**Optional Accessory**	1.8M RS232 Cable 0.3M Audio Cable 1.8M CAN BUS Cable 1.8M CAN BUS Open Wire Cable 2M IP65 LAN Cable GPS & LTE 2M Combo Antenna(VM240) GPS & LTE 5M Combo Antenna (VM9C) Magnetic Combo Antenna (VM10S) WWAN Antenna

Power

Battery	7.6V UPS Battery (2S1P) Minimum 30 minutes	**Power Rating**	Docking: 10V-60V with ignition control Tablet: 12V DC In
Consumption	30W (Typical)		

DIMENSIONS UNIT:MM

Callout	Label	Callout	Label
1	Function Button	7	CAN / Audio
2	SD Card Slot / SIM Card Slot	8	LAN
3	USB Type-A	9	Reserved Antenna
4	Power Input	10	Power Input
5	COM	11	Power Switch
6	USB Type-A		

NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. SOTI is available upon request.
3. Length measurements do not include protrusions. Weight varies with options.
4. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
5. Accessories may vary depending on your configuration.
6. This is a simplified drawing and some components are not marked in detail.
7. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.
8. COM port can supply 5V power via the 9th pin.