



Features

- 8" SVGA TFT Touch Panel PC
- 5-wire resistive touch screen
- Intel® Celeron® Processor J3455
- HDMI x1, 2x GbE LAN, 2x COM, 4 x USB 3.2 (Gen1x1, 5Gbps)
- Optional TPM 2.0
- No HDD support
- Fanless
- Wide range voltage input +12V ~ +24V
- IP65 compliant front panel
- VESA compliance



+12V ~ +24V



Resistive



Fanless



0°C ~ 40°C



Front IP65

Specifications

System Information

Processor	Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz
Platform Controller Hub	Intel® Pentium®/Celeron®/Atom™ SoC
System Memory	1x 204-pin DDR3L SODIMM socket, supports up to 8GB DDR3L 1866MTs SDRAM (non-ECC)
I/O Chipset	EC ITE IT8528E
Watchdog Timer	H/W reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring CPU & system temperature and voltage
SBC	ECM-APL
CPU Cooler (Type)	Fanless heatsink
Other	1x HDMI

Expansion

Expansion	1x Full-Size mini PCI express mini card (for PCIe & USB2.0) 1x M.2 (2242) B-Key
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Storage

Storage	1x M.2 B key (2242 support SATA/PCIe1/USB interface & with Micro SIM card connector) for SSD
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Display

Graphic Chipset	Intel® Valleyview SoC integrated graphics supports dual display
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Audio

Audio Codec	Realtek ALC888S
Audio Interface	Line-out

Ethernet

LAN Chipset	Dual Intel® I211AT Gigabit LAN
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Power Requirement

DC Input	+12V ~ +24V
DC Input Connector	Lockable DC Jack (default) Optional for phoenix connector
ACPI	Single power ATX support S0, S3, S4, S5 and ACPI 3.0 compliant

Software Support

OS	Win 10 / Android / Linux
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Certification

Certification Information	CE / FCC Class B
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Panel

LCD Size	8", 4:3
Display Type	SVGA
Resolution	800 x 600
Pixel Pitch	0.0675mm (H) x 0.2025mm (V)
Luminance	500 cd/m2
Contrast Ratio	500
Viewing Angle	50 (U), 70 (D), 70 (L), 70 (R)
Response time	25 ms
Backlight	LED
Touch Type	5 wires resistive
Touch Light Transmission	80%
Touch Controller	USB touch (EETI)

External I/O

USB	1x USB 3.0, 3x USB 2.0
LAN Port	2x RJ-45
COM Port	1x DB-9 male connector for COM1 supports RS232 (BOM option for RS422/485) 1x DB-9 male connector for COM2 supports RS232

System Control

LED Indicator	HDD LED, power LED
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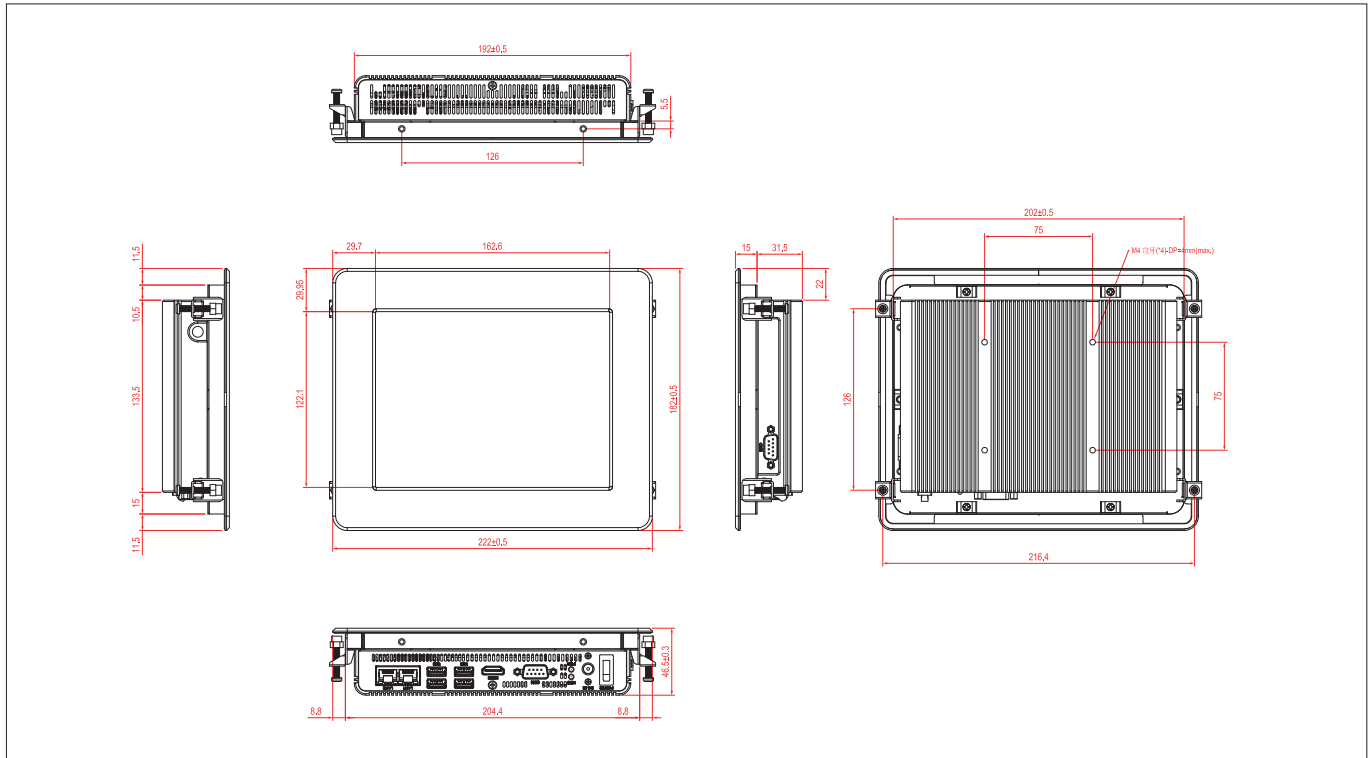
Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative humidity, non-condensing
Dimension (W x L x H)	202.5 x 159.5 x 46.5mm
Weight	1.39 Kg
Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 30min/axis
Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, half sine, 11ms
Drop Test	ISTA 2A, IEC-60068-2-32 Test:Ed
IP Rating	Front panel IP65
Mounting Kit	Wall / Stand / VESA 75mm x 75mm
Power Mode	AT/ATX (ATX is default)
System Fan	Fanless
Construction	Silver aluminum (Front), Silver alloy (Rear)

Component

Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W adapter (12V @ 5A adapter)
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Mechanical Drawing



Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Operating Temp.	OS Support
LPC-0833-345-A1R	Resistive	J3455	1x 204-pin DDR3L SODIMM	1x M.2 B key	800 x 600	500	2	4	2	+12V ~ +24V	0°C ~ 40°C	Win 10 / Android / Linux

Packing List

Item	P/N	Quantity
AC/DC adapter 12V/5A 90 Plug Type	ACC-ADP-060N-07R	1
M4 x 4mm Screw for VESA	ACC-SCREW-0001R	4

Optional Items

Item	P/N
MPCIe WIFI-Kit for LPC Series(half-card) Antenna/ Cable/BT4.0/802.11a/b/g/n/ac	ACC-LPC-WIFI-01R
Front Panel Mount Kit for LPC-08 Series, w/o IP-65	ACC-LPC-08-PMT-03R
Front Panel Mount Kit for LPC-08 Series, w/ IP-65	ACC-LPC-08-PMT-04R
USA Power Cord	E1702031833R
EU Power Cord	E1702031000R
Japan Power Cord	E1702031834R
UK Power Cord	E1702031830R
Australia Power Cord	E1702031831R

I/O Overview

