

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 FCC IC



PTCRB™



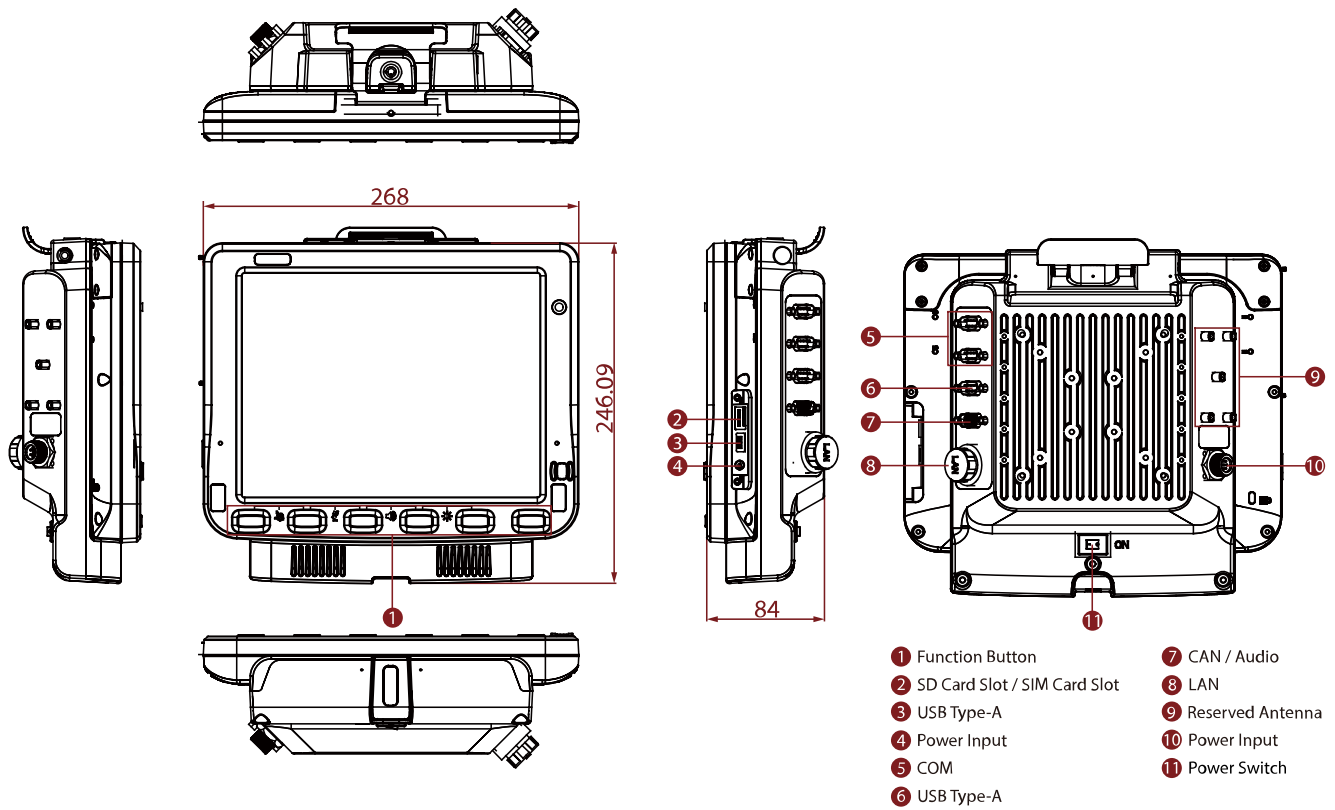
SPECIFICATIONS

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



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 Mobexx Sales Team for more information.
8. COM port can supply 5V power via the 9th pin.