FM10, 10.4-inch Vehicle Mounted Computer

A Rugged Vehicle Mounted Computer for Data Collection in Warehouse and Logistics Applications

FM10 is a rugged vehicle mounted computer delivers flexibility and mobility in a vehicle-mount form factor, designed to easily be removed from the dock with a one-click top latch. Since the dock remains attached to the vehicle, this device can easily be moved or switched from one vehicle to another vehicle. FM10 designed to fit seamlessly into forklifts and other warehouse vehicles, will help minimize errors, streamline ordering and inventory management, and improve operational efficiencies. The processing power comes from Intel's quad core atom E3845 processor. The computer features a brilliant anti-scratch resistive touch screen, and offers 1024 x 768 pixel resolution.



Highlights

- Intel Quad Core Atom E3845 Processor
- 10.4" 1024 x 768 Panel with anti-scratch resistive touch screen
- Field replaceable front panel to reduce service costs
- Magnesium alloy housing
- Built-in Wi-Fi and BT 4.0
- IP65 waterproof and dustproof
- Wide range operating temperature

Order Information					
	4G	Heater	High Brightness Panel		
FM10	N/A		N/A		
FM10-LA	4G LTE		N/A		
FM10-LAHB	4G LTE		Yes		
FM10-HB	N/A		Yes		

Winmate

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Display Specification

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Size Resolution Brightness Touch Contrast Ratio Viewing Angle Technology	10.4-inch display (4:3) 1024 x 768 400 nit Anti-scratch resistive touch 1200:1 88/88/88/88 • Light sensor • Intel HD Graphics (built-in CPU) video controller			
System Specificatio	n			
Processor System Memory Storage Operating System	Intel Quad-Core Atom E3845 Processor , 1.91 GHz 4GB SODIMM DDR3L-1600 (up to 8GB) ¹ 64GB M.2 solid state drive SSD Optional up to 256 GB Additional storage with SD card slot Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows 7 Professional for Embedded System Windows Embedded Standard 7			
Wireless Communic	ation			
WLAN BT GPS WWAN	802.11 a/b/g/n/ac BT 4.0 u-Blox Neo-6Q located on the Vehicle Dock Optional 4G/ LTE or 3G.			
Interface				
Computer Docking	1 x SIM Card Slot 1 x SD Card Slot 1 x USB 3.0 1 x 12V DC in power input jack 1 x COM 1, 1 x COM 2 1 x USB 2.0 port (support two USB 2.0) 1 x CANBus / Audio 1 x 400Mbps LAN port Optional PoE as a Power sourcing equipment (PSE) support 802.3at Type 2 1 x Power connector SMA Connector(female) for external antenna (WiFi, GPS (optional), WWAN (optional))			
Keyboard and Input				
Touch Button LED Indicators	 Resistive, support stylus On-screen QWERTY keyboard 1 x power, 10 x function key function key configured by Hottab Utility) Wi-Fi, BT, UPS battery, HDD, Blanking, Heater 			
Audio				
Speaker	High power speaker (3W * 2), located on the docking			
Cameras				
Web Camera	2MP webcam, only available for Windows 7/ 8.1/ 10 IoT			
Security Function				
Mobile Device Management SOTI Mobicontrol compatible ²				

Mechanical and Environment

Dimension (W x L x H)	Computer: 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) ³
Weight	Computer 1.7 kg (3.75 lbs) Docking 1.6 kg (3.53 lbs)
Housing	Magnesium alloy housing
Cooling System	Fanless design
Operating Temperature	With optional heater: -30°C to 50°C (-22°F to 122°F) AC mode: -20°C to 50°C (-4°F to 122°F) Batter mode: -10°C to 50°C (14°F to 122°F)
Storage Temperature	-30°C to 60°C (-22° to 140°F)
Humidity	5% to 90% RH, non-condensing
IP Proof	IP65 certified, dustproof and waterproof
Impact	Support EN62262 IK70 rating
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I
ESD	Compliant with EN 61000-4-2, enhanced ESD to ± 12 kV direct & ± 15 kV air
Certifications	CE, FCC, UL60950-1, EN60950-1, PTCRB, FCC (Electromagnetic Emissions), IC (ICES-003)
Power Management	
Dooking Power Input	10\/ 60\/

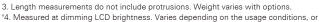
10V-60V,
with isolation power and ignition control
12V DC In
7.6V typ Battery (2S1P)
Minimum 30 minutes ⁴

Accessories

Standard Accessories		
Power Cable with Fuse	98K000A0006O	
Adapter	922D084W12V1 94J602G030K2 9483098080K0 39700000000G 88111T201203	
Power Converter Cable		
USB Cable		
Wi-Fi Antenna (1 pcs)		
External Antenna Fixing Bracket		
Driver CD	9171111103H (Win 7 Professional)	
	9171111103A (Win 8.1 Industry)	
	9171111103B (Win 10 IoT)	
Quick Start Guide	9152111I100S	
Optional Accessories ⁵		
Quick Start Guide	91521111100S	
DC Power Jack Cable	94J0086020K0	
Adapter (for heater use)	90PO12120005	
RS232 Cable	94G3094090K2	
Audio Cable	94E215R060K0	
CANBus Cable	94E2150090K0	
CANBus Cable (w/o DIDO)	94E215L030K0	
LAN Cable	9410080080KF	
Key for Vehicle Dock	9B00000007N	
WWAN Antenna (1 pcs)	3970000000H	
Fuse Kit	94JL01L01000	
UHF Fixed Reader	9B00000006P	
Magnetic Multi-Band Combo Antenna-VM10S	397SM0000006	
LTE MIMO/GNSS- VM240	3970000000M	
GPS & LTE MIMO Combo Antenna- VM9C	397SM0000008	
Stylus Kit + Screw	98K000A0005T	
Duran in a f		

Drawing ⁶





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.



Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)

Lo not expose bare skin to this product when handling this unit in extreme Caution hot or cold environments

1. Total usable memory will be less depending upon actual system configuration. 2. SOTI is available upon request.

