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 Bluetooth 4.0
- IP65 waterproof and dustproof
- Wide range operating temperature

Order Information			
	3G	4G	Heater
FM10	Optional	Optional	N/A
FM10-HT	Optional	Optional	Default



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Display Specification

10.4-inch display (4:3)

Resolution 1024 x 768 Brightness 400 nit

Touch Anti-scratch resistive touch

Contrast Ratio 1200:1 Viewing Angle 88/88/88/88 Technology Light sensor

· Intel HD Graphics (built-in CPU) video controller

System Specification

Intel Quad-Core Atom E3845 Processor, 1.91 GHz

4GB SODIMM DDR3L-1600 (up to 8GB) System Memory 64GB M.2 solid state drive SSD Storage

Optional up to 256 GB

Additional storage with SD card slot

Operating System Windows 10 IoT Enterprise

Windows Embedded 8.1 Industry Pro Windows 7 Professional for Embedded System

Windows Embedded Standard 7

Wireless Communication

WLAN 802.11 a/b/g/n/ac Bluetooth Bluetooth 4.0

u-Blox Neo-6Q located on the Vehicle Dock

WWAN Optional 4G/LTE or 3G.

Interface

1 x SIM Card Slot Computer

1 x SD Card Slot 1 x USB 3.0

1 x 12V DC in power input jack

Docking 1 x COM 1, 1 x COM 2

1 x USB 2.0 port (support two USB 2.0)

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 • Resistive, support stylus Button

• On-screen QWERTY keyboard

1 x power,6 x function key (Programmable function key configured by Hottab Utility)

LED Indicators Wi-Fi, Bluetooth, 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

Weiaht Computer 1.7 kg (3.75 lbs) Docking 1.6 kg (3.53 lbs)

Housing Magnesium alloy housing

Cooling System Fanless design With optional heater: -30°C to 50°C (-22°F to 122°F) Operating Temperature

AC mode: -20°C to 50°C (-4°F to 122°F) Batter mode: -10°C to 50°C (14°F to 122°F)

-30°C to 60°C (-22° to 140°F) Storage Temperature 5% to 90% RH, non-condensing Humidity

IP Proof IP65 certified, dustproof and waterproof Support EN62262 IK70 rating Impact MIL-STD-810G Method 516.6 Procedure I Shock MIL-STD-810G Method 514.6 Procedure I Vibration

Compliant with EN 61000-4-2, **ESD**

enhanced ESD to ± 12 kV direct & ± 15 kV air CE, FCC, UL60950-1, EN60950-1, PTCRB, Certifications

FCC (Electromagnetic Emissions), IC (ICES-003)

Power Management

10V-60V, Power Input

with isolation power and ignition control

UPS Battery 7.4V typ Battery (2S1P) UPS Battery Operating Time Minimum 30 minutes 4

Accessories

Standard Accessories

Power Cable with Fuse 98K000A0006O 922D084W12V1 Adapter Power Converter Cable 94J602G030K2 USB Cable 9483098080K0 Wi-Fi Antenna (1 pcs) 3970000000G External Antenna Fixing Bracket 88111T201203

Driver CD 91711111103H (Win 7 Professional) 91711111103A (Win 8.1 Industry)

91711111103B (Win 10 IoT)

9152111I100S

Quick Start Guide Optional Accessories 5

Quick Start Guide 9152111I100S 94J0086020K0 DC Power Jack Cable Adapter 90PO12120005 RS232 Cable 94G3094090K2 Audio Cable 94E215R060K0 94E2150090K0 CAN Bus Cable 94I0080080KF LAN Cable Key for Vehicle Dock 9B00000007N WWAN Antenna (1 pcs) 39700000000H 94JL01L01000 98K000A0005Y Device Mounting Kit 1 (No Drill) Device Mounting Kit 2 (Drill) 98K000A0006P Mounting Kit 3 (Keyboard Mounting) 98K000A0005X UHF Fixed Reader 9B000000006P Magnetic Multi-Band Combo Antenna-VM10S 397SM0000006 LTE MIMO/GNSS- VM240 39700000000M

Stylus Kit + Screw **Drawing** ⁶



GPS & LTE MIMO Combo Antenna- VM9C





397SM0000008

98K000A0005T

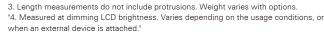


Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)

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

- 1. Total usable memory will be less depending upon actual system configuration.





- 5. Accessories may vary depending on your configuration.
- 6. This is a simplified drawing and some components are not marked in detail.