

# 8" Vehicle Mounted Computer

FM08

## Product Features:

- Field replaceable front panel to reduce service cost and prevent productivity loss
- High Performance Intel ATOM platform (E3845 2M Cache, 1.91GHz)
- Support Windows 10 IoT Enterprise, Windows 7 Professional for Embedded system, Windows Embedded 8.1 Industry Pro, or Windows Embedded Standard 7, Windows Embedded Compact 7
- Magnesium Alloy Housing
- Anti scratch resistive touch (finger touch and stylus)
- SMA Connector for external antenna
- Fan-Less & Robust Design
- Wide range Operating Temperature
- QWERTY Keypad



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FM08C (Computer)



FMVD (Dock)

## Product Specifications:

System Specification	Processor	Intel Quad-Core Atom E3845 Processors (1.91GHz)
	System Memory	4GB SODIMM DDR3L-1600 (up to 8GB)
	Storage	64GB M.2 MLC SSD (up to 256 GB)
	Operating System	Windows 10 IoT Enterprise * Windows Embedded 8.1 Industry Pro * Windows 7 Professional for Embedded system (default) Windows Embedded Standard 7 Windows Embedded Compact 7 (Windows CE) * (this device does not support the Modern UI / universal apps, only the desktop mode)
Display Specification	Size / Technology	8" (16:9)
	Resolution	800*480
	Viewing angle	-80~80 (H) ; -80~80(V)
	Brightness	500 nits
	Touch	Anti scratch Resistive touch and support for finger touch and stylus
Wireless Communication	WLAN	802.11 a/b/g/n/ac 802.11 a/b/g/n for Win CE
	Bluetooth	Bluetooth 4.0
	GPS	u-blox NEO-6Q (located at the vehicle dock)
	WWAN	Optional 4G (LTE,HSPA+, GSM/GPRS/EDGE, EV-DO Rev A, 1xRTT) Optional 3G (HSPA+, GSM/GPRS/EDGE)
Data Capture	Camera	2MP Camera at front side (only available on Windows 7/ 8.1 / 10 IoT)
Mechanical and Environment	Dimension (W x L x H)	Computer: 268 x 214 x 32 mm (10.6" x 8.42" x 1.25") Docking: 202 x 245 x 52 mm (7.9" x 9.6" x 2.04")
	Housing	Magnesium Alloy housing with fanless design
	Weight	Computer 1.6 kg and Docking 1.6 kg
	Operating Temperature	-30°C to 50°C (-22° to 122° F)
	Storage Temperature	-30°C to 60°C (-22° to 140°F)
	Humidity	5% to 95% RH, non-condensing
	IP Proof	IP65
	Shock	MIL-STD-810G Method 516.6 Procedure I
	Vibration	MIL-STD-810G Method 514.6 Procedure I
	Certifications	CE, FCC, UL60950-1, EN60950-1
	ESD	EN 55024:1998 (enhanced ESD to ±8kV direct & ±15kV air)
I/O Connectors	Computer	1 x SIM Card Slot ,1 x SD Card Slot , 1 x USB 3.0, 1 x 12V DC in power input jack
	Dock	1 x COM 1, 1 x COM 2, 1 x USB 2.0, 1 x CANBUS / AUDIO, 1 x 400Mbps LAN port PoE as a Power sourcing equipment (PSE) support 802.3at Type 2, 1 x Power Connector, SMA Connector(female) for external antenna (WiFi, GPS, WWAN(optional))
Power Management	Power Input	10V-60V with isolation power and ignition control
	Battery	7.4V typ. 3800mAh Li-Polymer Battery (2S1P)

## Renderings :



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## Docking Features:

- Wide range power (10V~60V) & Ignition control
- Smart Docking Design
- Built in u-blox NEO-6Q GPS
- High power speaker (3W \* 2)
- With LED Reading Light
- Release latch and Key Lock to secure the device
- Power switch, to give power to the device
- VESA 75, 100, and RAM Mount



## FM08 – Accessories

### Package Contents

Before using this Vehicle Mounted Computer, please make sure that all the items listed below are present in your package:

Computer - FM08	Dock + latch locking key	5 m Power Cable with fuse kit	0.3 m USB Cable	Stylus kit + Screw	Cable Clamp Kit
<b>98P008A00048</b>	<b>98D000A00003</b>	<b>98K000A0005V</b>	<b>9484098080K0</b>	<b>98K000A0005T</b>	<b>98K000A0005W</b>
WiFi External Antenna x 2	User Manual	Driver CD	0.15m power converter cable	84W Adapter with power cable	
<b>39700000000G</b>	<b>91521111100J</b>	<b>91711111101R</b>	<b>94J602G030K2</b>	<b>922D084W12V1</b>	

## Optional Accessories

3 m DC Jack Power Cable	1.2 M 120 Watt Adapter (For Heater Model)	4.2 m Adapter with power cable	1.8 m RS232 Cable	0.3 m Audio Cable
<b>94J0086020K0</b>	<b>90P01212005</b>	<b>98K000A0006L</b>	<b>94G3094090K2</b>	<b>94E215R060K0</b>
1.8 m CAN BUS Y Cable	2 m IP65 LAN Cable	WWAN External Antenna x 2	15A, 250V, VDA type Fuses	Mounting Kit for keyboard
<b>94E2150090K0</b>	<b>94I0080080KF</b>	<b>39700000000H</b>	<b>94JL01L01000</b>	<b>98K000A0005X</b>
Device Mounting Kit	Spare Key for Vehicle Dock	UHF Fixed Reader		
<b>98K000A0005Y</b>	<b>9B000000007N</b>	<b>9B000000008L</b>		