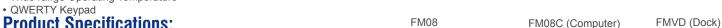# 8" Vehicle Mounted Computer

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
- SMA Connector for external antenna
- Fan-Less & Robust Design
- Wide range Operating Temperature
- QWERTY Keypad

FM08   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 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	Optional 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
	Impact	Support EN62262 IK70 rating
	Shock	Compliant with MIL-STD-810G Method 516.6 Procedure I
	Vibration	Compliant with MIL-STD-810G Method 514.6 Procedure I
	Certifications	CE, FCC, UL60950-1, EN60950-1, PTCRB, FCC (Electromagnetic Emissions), IC (ICES-003)
	ESD	Compliant with EN 61000-4-2 (enhanced ESD to ±12kV 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 port (support 2 x USB 2.0), 1 x CANBUS / AUDIO, 1 x 400Mbps LAN port (Optioanl 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))
Mobile Device Management	Mobile Device Management	SOTI MobiControl compatible
Power Management	Power Input	10V-60V with isolation power and ignition control
	Battery	7.6V typ. 3800mAh Li-Polymer Battery (2S1P)

Renderings :

202.00
Key Lock

268.00
81.00
32.00

243.09   214.00

(SMA Female Connector) WiFi
(SMA Female Connector) GPS
(optional) WWAN
Power in

I/O Cover

COM 1 (D-9 male Connector)
COM 2 (D-9 male Connector)
USB 2.0 (D-9 Female Connector)
CANBUS/Audio (D-15 male Connector)
LAN port (Optional PSE)
SIM Card Slot
SD Card Slot
USB 3.0
DC in power input jack

Reading Light

8" Vehicle Mounted Computer

Docking Features:

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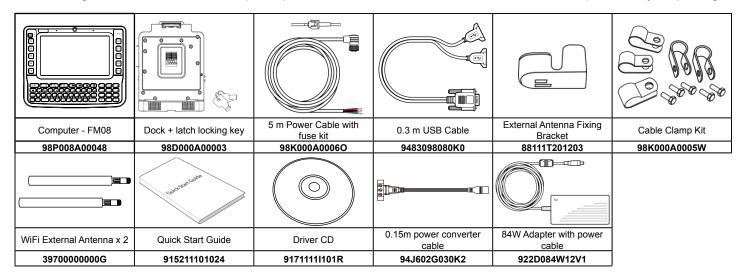- Power switch, to give power to the device
- VESA 75, 100, and RAM Mount

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	External Antenna Fixing Bracket	Cable Clamp Kit
98P008A00048	98D000A00003	98K000A0006O	9483098080K0	88111T201203	98K000A0005W
WiFi External Antenna x 2	Quick Start Guide	Driver CD	0.15m power converter cable	84W Adapter with power cable	
39700000000G	915211101024	9171111I101R	94J602G030K2	922D084W12V1	

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	1.8 m CAN BUS Y Cable
94J0086020K0	90PO12120005	98K000A0006L	94G3094090K2	94E215R060K0	94E2150090K0
2 m IP65 LAN Cable	WWAN External Antenna x 2	15A, 250V, VDA type Fuses	Spare Key for Vehicle Dock	DC12V/2A Input UHF Fixed Reader	Mounting kit 1 – No Drill
94I0080080KF	39700000000H	94JL01L01000	9B000000007N	9BRFID000012	98K000A0005Y
Mounting kit 2 – Drill	Mounting kit 3 – Keyboard Mounting	GPS & LTE 2M Combo Antenna (VM240)	GPS & LTE 5M Combo Antenna (VM9C)	GPS & LTE & Wi-Fi Magnetic Combo Antenna (VM10S)	Stylus kit + Screw
98K000A0006P	98K000A0005X	39700000000M	39700000000N	39700000000U	98K000A0005T