10.4" Vehicle Mounted Computer

FM10

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 Embedded 8.1 Industry Pro, Windows 7 Professional for Embedded system, or Windows Embedded Standard 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

FM10   FM10C (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
Display Specification	Size / Technology	10.4" (4:3)
	Resolution	1024*768
	Viewing angle	-88~88(H) ; -88~88(V)
	Brightness	400 nits
	Touch	Anti scratch Resistive touch and support for finger touch and stylus
Wireless Communication	WLAN	802.11 a/b/g/n/ac
	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 35 mm (10.6" x 8.42" x 1.37") Docking: 202 x 245 x 52 mm (7.9" x 9.6" x 2.04")
	Housing	Magnesium Alloy housing with fanless design
	Weight	Computer 1.7kg and Docking 1.6kg
	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	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
	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 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
	UPS Battery	7.6V typ. 3800mAh Li-Polymer Battery (2S1P)

Renderings :

202.00

Key Lock

268.00

84.00

35.00

243.09

214.00

(SMA Female Connector) WiFi

(SMA Female Connector) GPS

(optional) WWAN

Power in

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
support PSE

SIM Card Slot

SD Card Slot

USB 3.0

DC in power
input jack

I/O Cover

Reading Light

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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
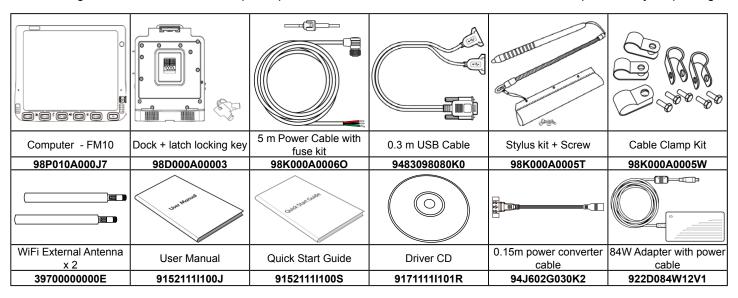- Power switch, to give power to the device
- VESA 75, 100, and RAM Mount

FM10 – Accessories

Package Contents

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

Item	Part Number
Computer - FM10	98P010A000J7
Dock + latch locking key	98D000A00003
5 m Power Cable with fuse kit	98K000A0006O
0.3 m USB Cable	9483098080K0
Stylus kit + Screw	98K000A0005T
Cable Clamp Kit	98K000A0005W
WiFi External Antenna x 2	39700000000E
User Manual	9152111I100J
Quick Start Guide	9152111I100S
Driver CD	9171111I101R
0.15m power converter cable	94J602G030K2
84W Adapter with power cable	922D084W12V1

Optional Accessories

Item	Part Number
3 m DC Jack Power Cable	94J0086020K0
1.2 M 120 Watt Adapter (For Heater Model)	90PO12120005
4.2 m Adapter with power cable	98K000A0006L
1.8 m RS232 Cable	94G3094090K2
0.3 m Audio Cable	94E215R060K0
1.8 m CAN BUS Y Cable	94E2150090K0
2 m IP65 LAN Cable	94I0080080KF
WWAN External Antenna x 2	39700000000F
15A, 250V, VDA type Fuses	94JL01L01000
Spare Key for Vehicle Dock	9B000000007N
DC12V/2A Input UHF Fixed Reader	9B000000006P
Mounting kit 1 – No Drill	98K000A0005Y
Mounting kit 2 – Drill	98K000A0006P
Mounting kit 3 – Keyboard Mounting	98K000A0005X
GPS & LTE MIMO Combo Antenna(2M)	39700000000M
GPS & LTE MIMO Combo Antenna(5M)	39700000000N