

10.4" Vehicle Mounted Computer

FM10A

Product Features:

- Field replaceable front panel to reduce service cost and prevent productivity loss
- High Performance Freescale Cortex A9 i.MX6 DUAL Core
- Android 4.4, Ubuntu 16.04, Kernel 3.10.52
- Magnesium Alloy Housing
- With P-Cap Touch
- SMA Connector for external antenna
- Fan-Less & Robust Design
- Wide range Operating Temperature



FM10A

FM10AC (Computer)

FMVDA (Dock)

Product Specifications:

System Specification	Processor	Freescale Cortex A9 i.MX6 DUAL Core
	System Memory	1G LPDDR3
	Storage	16GB eMMC
	Operating System	Android 4.4, Ubuntu 16.04, Kernel 3.10.52
Display Specification	Size / Technology	10.4" (4:3)
	Resolution	1024*768
	Viewing angle	-88~88(H) ; -88~88(V)
	Brightness	400 nits
Wireless Communication	Touch	P-Cap multi-touch
	WLAN	802.11 a/b/g/n
	Bluetooth	Bluetooth 4.0
	GPS	u-blox NEO-6Q (located at the vehicle dock)
Data Capture	WWAN	Optional 4G (LTE,HSPA+, GSM/GPRS/EDGE, EV-DO Rev A, 1xRTT) Optional 3G (HSPA+, GSM/GPRS/EDGE)
	Camera	2MP Camera at front side
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
	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
I/O Connectors	ESD	Compliant with EN 61000-4-2 (enhanced ESD to ±12kV direct & ±15kV air)
	Computer	1 x SIM Card Slot , 1 x Micro SD , 1 x USB OTG, 1 x 12V DC in power input jack
Power Management	Dock	1 x COM 1, 1 x COM 2, 1 x USB 2.0 port (support 2 x USB 2.0) , 1 x CANBUS or 1 x Audio*, 1 x 400Mbps LAN port PoE as a Power sourcing equipment (PSE) support 802.3at Type 2, 1 x Power Connector, SMA Connector for external antenna (WiFi, GPS, WWAN(optional))
	Power Input	10V-60V with isolation power and ignition control 7.6V typ. 3800mAh Li-Polymer Battery(2S1P)

*Note: Notice that COM1 and COM2 cannot be used with CAN Bus at the same time.

Renderings :



WINMATE

www.winmate.com

Revised date: 25-Apr-2017 V1.6

IPC2U

www.ipc2u.ru www.ipc2u.de www.sovio.com Date: 05/2017 Rev.01

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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



FM10A – Accessories

Package Contents

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

Computer - FM10A 98P010A000L0	Dock + latch locking key 98D000A0000A	5 m Power Cable with fuse kit 98K000A0006O	0.3 m USB Cable 9483098080K0	Stylus kit + Screw 98K000A00076	Cable Clamp Kit 98K000A0005W
WiFi External Antenna x 2 39700000000G	User Manual 91521111101A	Quick Start Guide 91521111101B	Driver CD 91711111102L	0.15m power converter cable 94J602G030K2	84W Adapter with power cable 922D084W12V1
External Antenna Fixing Bracket 88111T201203	USB to RS232 & USB A Type Cable 94E3098130K0				

Optional Accessories

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	2 m IP65 LAN Cable 94I0080080KF
WWAN External Antenna x 2 39700000000H	15A, 250V, VDA type Fuses 94JL01L01000	Spare Key for Vehicle Dock 9B000000007N	Mounting kit 1 – No Drill 98K000A0005Y	Mounting kit 2 – Drill 98K000A0006P	Mounting kit 3 – Keyboard Mounting 98K000A0005X
GPS & LTE 2M Combo Antenna (VM240) 39700000000M	GPS & LTE 5M Combo Antenna (VM9C) 39700000000N	GPS & LTE & Wi-Fi Magnetic Combo Antenna (VM10S) 39700000000O	CANBUS Cable 94E2150090K0		