

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



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 (default) Windows Embedded Standard 7 Windows Embedded Compact 7 (Windows CE) <small>* (this device does not support the Modern UI / universal apps, only the desktop mode)</small> |
| Display Specification | Size / Technology | 8" (16:9) |
| | Resolution | 800*480 |
| | Viewing angle | -80~80 (H) ; -80~80(V) |
| | Brightness | 500 nits |
| Wireless Communication | Touch | Anti scratch Resistive touch and support for finger touch and stylus |
| | 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) |
| 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 (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 |
| I/O Connectors | ESD | EN 55024:1998 (enhanced ESD to ±8kV direct & ±15kV air) |
| | 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 | 7.6V 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 |
| 98P008A00048 | 98D000A00003 | 98K000A0005V | 9483098080K0 | 98K000A0005T | 98K000A0005W |
| | | | | | |
| WiFi External Antenna x 2 | User Manual | Driver CD | 0.15m power converter cable | 84W Adapter with power cable | |
| 39700000000G | 91521111100J | 91711111101R | 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 |
| 94J0086020K0 | 90PO12120005 | 98K000A0006L | 94G3094090K2 | 94E215R060K0 |
| | | | | |
| 1.8 m CAN BUS Y Cable | 2 m IP65 LAN Cable | WWAN External Antenna x 2 | 15A, 250V, VDA type Fuses | Spare Key for Vehicle Dock |
| 94E2150090K0 | 94I0080080KF | 39700000000H | 94JL01L01000 | 9B000000007N |
| | | | | |
| UHF Fixed Reader | Mounting kit 1 – No Drill | Mounting kit 2 – Drill | Mounting kit 3 – Keyboard Mounting | |
| 9B000000008L | 98K000A0005Y | 98K000A0006P | 98K000A0005X | |