

# FM12E

## 12.1" Intel® Elkhart lake x6425E Windows Vehicle Mounted Computer



### KEY FEATURES

- Intel® Elkhart lake x6425E Processor
- 12.1" 1024 x 768 Panel with PCAP Touch
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
- Wide range operating temperature



### SPECIFICATIONS

Display	
<b>Resolution</b>	1024x768
<b>Contrast Ratio</b>	1000:1
<b>View Angles</b>	89,89,89,89
<b>Touch Mode</b>	With Stylus Support With Gloves Support
<b>Size</b>	12.1 inches
<b>Panel Brightness</b>	500 nits
<b>Type</b>	Projected Capacitive Multi Touch
System Specification	
<b>Processor</b>	Intel Elkhart Lake x6245E Processor , 2.0 GHz
<b>Storage</b>	64GB M.2 SSD 128GB M.2 SSD (Optional) 256GB M.2 SSD (Optional)
<b>WLAN</b>	802.11 a/b/g/n/ac mode
<b>WWAN</b>	4G/LTE (Optional)
<b>Sensors</b>	G-Sensor, Light Sensor ,Temp Sensor
<b>Memory</b>	4GB SODIMM DDR4-3200 8GB SODIMM DDR4-3200 (Optional)
<b>Operating System</b>	Windows 10 IoT Enterprise
<b>BT</b>	BT Support
<b>GNSS</b>	GPS/AGPS
Camera	
<b>Front Camera</b>	2MP Camera
Environment	
<b>Operating Humidity</b>	5% to 90% RH, Non-Condensing
<b>Storage Temperature</b>	-30°C to 60°C
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I
<b>Impact</b>	Support EN62262 IK70 Rating
<b>Operating Temperature</b>	-20°C to 60°C AC Mode: -20°C to 50°C (-4°F to 122°F) Batter Mode: -10°C to 50°C (14°F to 122°F) with Optional Heater: -30°C to 50°C (-22°F to 122°F)
<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I, 30 g for 18 ms
<b>IP rating</b>	IP65 Certified, Waterproof and Dustproof
<b>ESD</b>	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air
Certification	
<b>Certification</b>	CE, FCC, UL60950-1, EN60950-1, PTCRB, FCC (Electromagnetic Emissions), IC (ICES-003)
Control	
<b>Button</b>	1 x Power Button, 5 x Function Button (Programmable Function Key Configured by

Winset)

**IO Ports**

<b>USB Port</b>	1 x USB Type-C(Tablet) 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	<b>Serial Port</b>	2 x COM Port(Docking)
<b>SD Card Slot</b>	1 x Micro SD Card Slot(Tablet)	<b>SIM Card Slot</b>	1 x Dual-Nano SIM Card Slot(Tablet)
<b>Audio</b>	2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	<b>LAN</b>	1 x Gigabit LAN port(Docking)
<b>Indicator</b>	4 x LED Indicator (Wi-Fi, BT, UPS battery, HDD, Screen Blanking, Heater)		

**Mechanical**

<b>Dimension</b>	Tablet: 307 x 225 x 41 mm (12.08x 8.85 x 1.61 inches) Docking: 202 x 245 x 52 mm (7.9 x 9.6 x 2.04 inches)	<b>Weight</b>	Tablet 1.7 kg (3.75 lbs) Docking 1.6 kg (3.53 lbs)
<b>Mounting</b>	RAM Mount/ VESA Mount	<b>Cooling System</b>	Fanless Design
<b>Housing</b>	Magnesium alloy housing		

**Security Function**

**SOTI MobiControl** SOTI MobiControl Compliance

**Accessory**

<b>Accessory</b>	5 m Power Cable Fuse Kit cable 0.3 m USB Cable 0.15 m Power Converter Cable Wi-Fi Antenna x 1 Quick Start Guide Driver CD 84W Adapter with Power Cable External Antenna Fixing Bracket	<b>Optional Accessory</b>	3 m DC Jack Power Cable (Optional) 1.2 M 120 Watt Adapter (For Heater Model) (Optional) 4.2 m Adapter with Power Cable (Optional) 1.8 m RS232 Cable (Optional) 0.3 m Audio Cable (Optional) 1.8 m CAN BUS Y Cable (Optional) 2 m IP65 LAN Cable (Optional) Wi-Fi Antenna x 1 (Optional) 15A, 250V, VDA Type Fuses (Optional) Spare Key for Vehicle Dock (Optional) DC 12C/ 2A Output UHF Fixed Reader (Optional) GPS & LTE 2M Combo Antenna(VM240) (Optional) GPS & LTE 5M Combo Antenna (VM9C) (Optional) GPS & LTE & Wi-Fi Magnetic (Optional) Combo Antenna (VM10S) (Optional) Mounting Kit 1 No Drill (Optional) Mounting Kit 2 Drill (Optional) Mounting Kit 3 Keyboard Mounting (Optional) Stylus Kit + Screw (Optional)
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**Power**

<b>Battery</b>	7.6V UPS Battery (2S1P) Minimum 30 minutes	<b>Power Rating</b>	Docking: 10V-60V with ignition control  Tablet: 12V DC In
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**DIMENSIONS** UNIT:MM

