

# FM12E-VML

## 12.1" Intel Atom® x6425E Vehicle Mounted Computer Defence Panel PC



#### **KEY FEATURES**

- Intel® Elkhart lake x6425E Processor
- 12.1" 1024 x 768 Panel with PCAP touch screen in vehicle computer
- IP65 waterproof and dustproof
- Wide power input 9-36V DC with ignition
- Wide range operating temperature
- Support VESA Mount
- IO ports with Defence grade 38999 connectors
- Compliant MIL-STD 810H/ MIL-STD 461F









#### **SPECIFICATIONS**

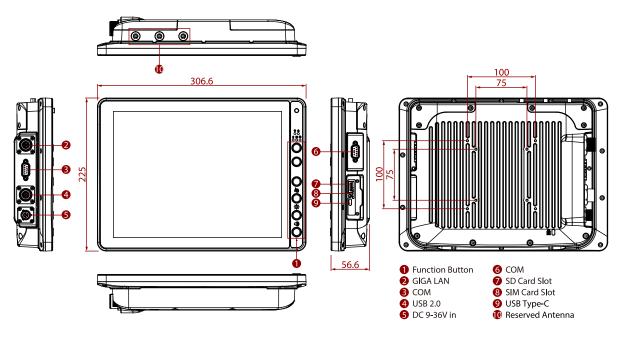
Display				
Resolution	1024x768	Size	12.1 inches	
Contrast Ratio	1000:1	Panel Brightness	400 nits 800 nits(Optional)	
View Angles	89,89,89,89	Туре	Projected Capacitive Multi Touch	
System Specification				
Processor	Intel Elkhart Lake x6425E Processor , 2.0 GHz	Memory	4GB SODIMM DDR4-3200 8GB SODIMM DDR4-3200 (Optional)	
Storage	128GB M.2 SSD 256GB M.2 SSD (Optional)	Security	TPM 2.0	
Operating System	Windows 10 IoT Enterprise	WLAN	Support	
ВТ	Support	WWAN	4G/LTE (Optional)	
GNSS	GPS/GLONASS (Optional)	Sensors	G-Sensor, Light Sensor ,Temp Sensor	
Camera				
Front Camera	2MP Camera			
Environment				
Operating Humidity	5% to 90% RH, Non-Condensing	Operating Temperature	-30°C to 50°C	
Storage Temperature	-30°C to 60°C	Shock	MIL-STD-810H Method 516.8 Procedure I	
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65 Certified, Waterproof and Dustproof	
Impact	Support EN62262 IK07 Rating	ESD	Compliant with EN 61000-4-2, enhanced ESD to $\pm$ 12kV direct & $\pm$ 15kV air	
Certification				
Certification	CE, FCC, UL60950-1, EN60950-1, PTCRB, FCC (Electromagnetic Emissions), IC (ICES-003)			
Compliance				
MIL-STD 461E/F	RE101 / RE102 CE101 / CE102 with EMI Glass / Touch(Optional) RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS			

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Control			
Button	1 x Power Button, 5 x Function Button (Programmable Function Key Configured by Winset)		
IO Ports			
USB Port	1 x USB Type-C 1 x USB 2.0 Type-A (MIL-DTL-38999/3 connector)	Serial Port	2 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD Card Slot	SIM Card Slot	1 x Dual-Nano SIM Card Slot
LAN	1 x Gigabit LAN port (MIL-DTL-38999/1 connector)	Indicator	4 x LED Indicator (WLAN, UPS battery, HDD, Heater)
Mechanical			
Dimension	306.6 x 225 x 56.6 mm	Weight	2.4kg
Mounting	RAM Mount/ VESA Mount	Cooling System	Fanless Design
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance		
Accessory			
Accessory	1 x Quick Start Guide 1 x Power Cable (MIL-DTL-38999/1) 1 x USB Cable (MIL-DTL-38999/3) 1 x LAN Cable (MIL-DTL-38999/1) 1 x 84W Power Adapter 1 x Power converter Cable	Optional Accessory	1.8M RS232 Cable GPS & LTE 2M Combo Antenna(VM240) GPS & LTE 5M Combo Antenna (VM9C) GPS & LTE Combo Antenna (VM10S) WWAN Antenna GPS Antenna
Power			
Battery	400mAh UPS Battery for 20 minutes backup (Optional)	Power Rating	9V~36V with ignition control (MIL-DTL-38999/1 connector)

### **DIMENSIONS** UNIT:MM



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#### **NOTE**

- 1. Total usable memory will be less dependent upon actual system configuration.
- 2. SOTI is available upon request.
- 3. Length measurements do not include protrusions. Weight varies with options.
- 4. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- 5. Accessories may vary depending on your configuration.
- 6. This is a simplified drawing and some components are not marked in detail.
- 7. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.

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# **Assured Systems**

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