FM10E

10.4inch Windows Vehicle Mounted Computer with Intel® Elkhart lake x6425E

KEY FEATURES

- Intel® Elkhart lake x6425E Processor, Windows Vehicle Mounted Computer
- 10.4" 1024 x 768 Panel with PCAP touch screen
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
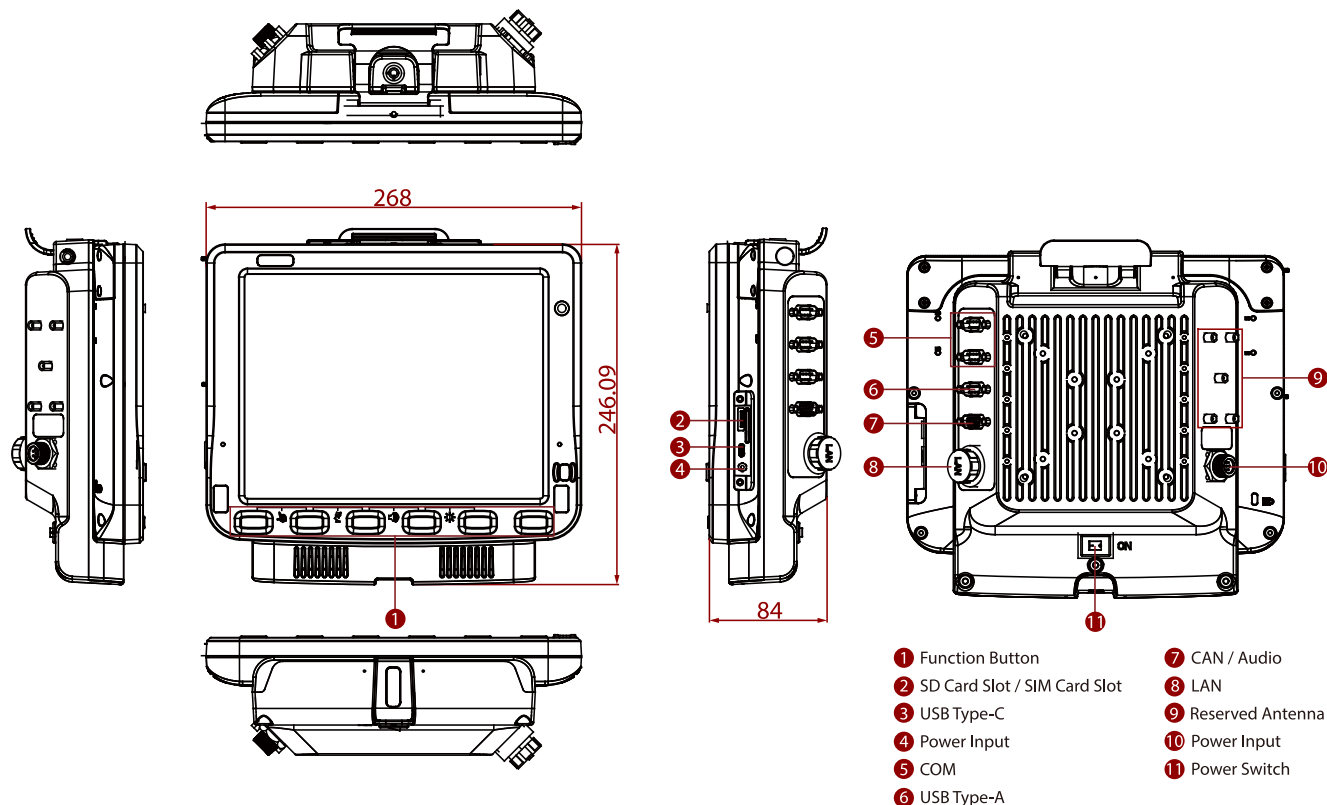- Wide range operating temperature

CE FC IP65 COMPLIANT MIL-STD 810G

SPECIFICATIONS

Display

Resolution	1024x768	Size	10.4 inches
Contrast Ratio	1200:1	Panel Brightness	400 nits 800 nits(Optional)
View Angles	88,88,88,88	Type	Projected Capacitive Multi Touch
Touch Mode	With Stylus Support With Gloves Support		

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
BT	Support	WWAN	4G/LTE (Optional)
GNSS	GPS/AGPS	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-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65 Certified, Waterproof and Dustproof
Impact	Support EN62262 IK07 Rating	ESD	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air

Certification

Certification	CE, FCC, UL60950-1, EN60950-1, PTCRB, FCC (Electromagnetic Emissions), IC (ICES-003)

Control

Button	1 x Power Button, 6 x Function Button (Programmable Function Key Configured by Winset)

IO Ports

USB Port	1 x USB Type-C(Tablet) 1 x DB9 Connector for 2 x USB 2.0 Port(Docking)	**Serial Port**	2 x COM Port(Docking)
SD Card Slot	1 x Micro SD Card Slot(Tablet)	**SIM Card Slot**	1 x Dual-Nano SIM Card Slot(Tablet)
Audio	2 x Speaker(Docking) 1 x CANBus or 1 x Audio(Docking)	**LAN**	1 x Gigabit LAN port(Docking)
Indicator	6 x LED Indicator (WLAN, BT, UPS battery, HDD, Screen Blanking, Heater)	**CANBUS**	1 x CANBus / Audio

Mechanical

Dimension	Tablet: 268 x 214 x 35 mm (10.6 x 8.42 x 1.37 inches) Docking: 202 x 245 x 52 mm (7.9 x 9.6 x 2.04 inches)	**Weight**	Tablet 1.7 kg (3.75 lbs) Docking 1.6 kg (3.53 lbs)
Mounting	RAM Mount/ VESA Mount	**Cooling System**	Fanless Design
Docking Housing	Aluminum Alloy Housing		

Security Function

SOTI MobiControl	SOTI MobiControl Compliance

Accessory

Accessory	5M Power Cable with Fuse Kit0.3M USB Cable0.15M Power Converter Cable 84W Adapter with Power CableWLAN Antenna x 2External Antenna Fixing Bracket Cable Clamp Kit Dock + Latch Locking Key Stylus Kit + Screw Quick Start GuideDriver CD	**Optional Accessory**	3M DC Jack Power Cable 1.8M RS232 Cable (Optional) 0.3M Audio Cable (Optional) 1.8M CAN BUS Y Cable (Optional) 2M IP65 LAN Cable (Optional) WWAN Antenna (Optional) 15A, 250V, VDA Type Fuses (Optional) GPS & LTE 2M Combo Antenna(VM240) (Optional) GPS & LTE 5M Combo Antenna (VM9C) (Optional) Magnetic Combo Antenna (VM10S) (Optional) Mounting Kit 1 No Drill (Optional) Mounting Kit 2 Drill (Optional) Mounting Kit 3 Keyboard Mounting (Optional)

Power

Battery	7.6V UPS Battery (2S1P) Minimum 30 minutes	**Power Rating**	Docking: 10V-60V with ignition control Tablet: 12V DC In

DIMENSIONS UNIT:MM

Winmate 10.4" VMC FM10E VMC Vehicle Mounted Computer

268
246.09
84

① Function Button
② SD Card Slot / SIM Card Slot
③ USB Type-C
④ Power Input
⑤ COM
⑥ USB Type-A

⑦ CAN / Audio
⑧ LAN
⑨ Reserved Antenna
⑩ Power Input
⑪ Power Switch

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.