

FM08E

8inch Windows Vehicle Mounted Computer with Intel® Elkhart lake x6413E



KEY FEATURES

- Intel® Elkhart lake x6413E Processor
- 8" 1280 x 800 Panel with PCAP touch screen mobile computer mounts
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
- Wide range operating temperature

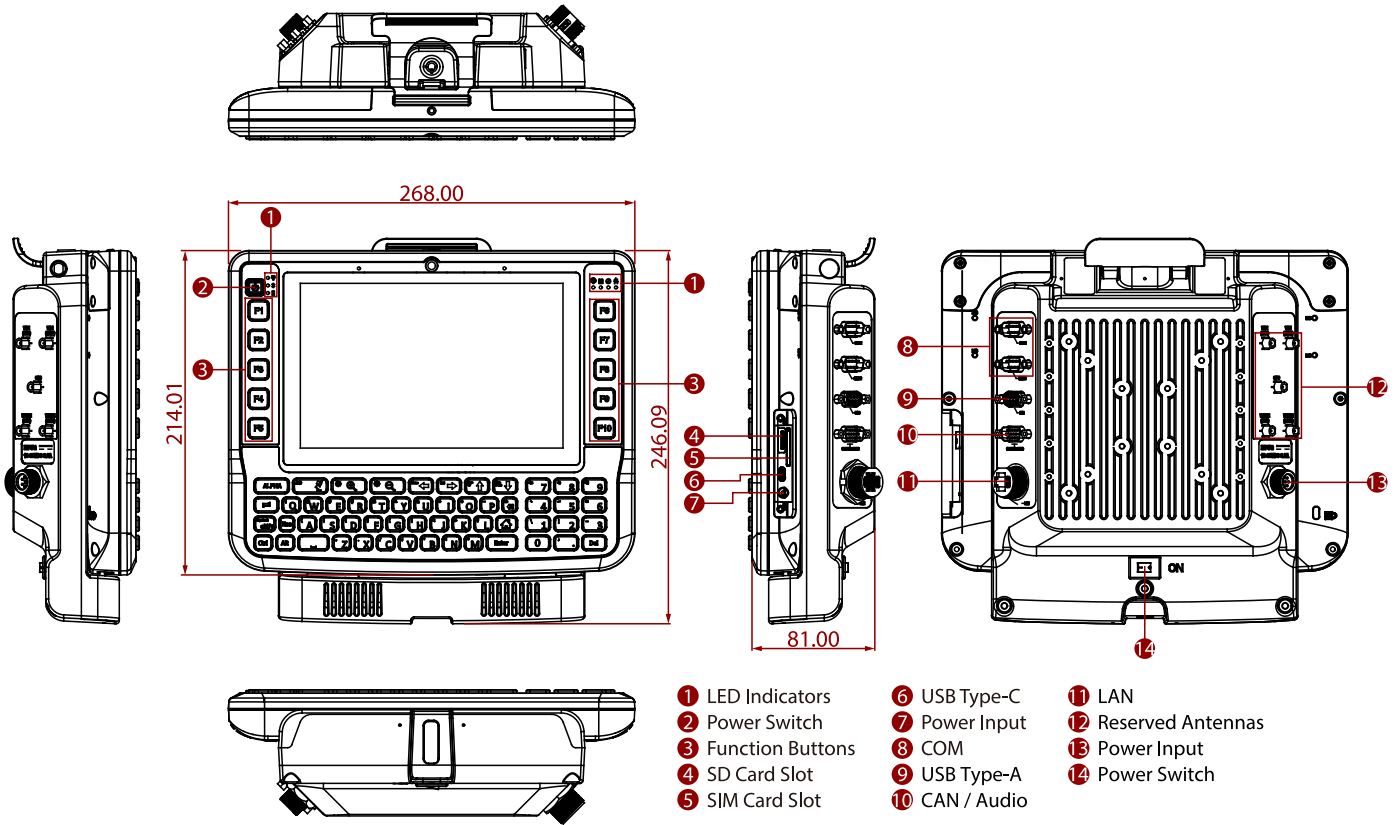


SPECIFICATIONS

Display	
Resolution	1280x800
Contrast Ratio	1500:1
View Angles	80,80,80,80
Touch Mode	Support Hand / Gloves and Rain Mode
Size	8.0 inches
Panel Brightness	800.0 nits
Type	Projected Capacitive Multi Touch
System Specification	
Processor	Intel Atom x6413E 1.5GHz (up to 3GHz) Intel Atom x6425E 2GHz (up to 3GHz) (Optional)
Storage	1 x M.2 2242 SSD 128GB 256GB (Optional)
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise LTSC (64 bit) (Optional)
BT	Support
GNSS	GPS/AGPS
Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional)
Security	TPM 2.0
WLAN	Support
WWAN	4G/LTE (Optional)
Sensors	G-Sensor, Light Sensor ,Temp Sensor
Camera	
Front Camera	2MP Camera
Environment	
Operating Humidity	5% to 95% RH, Non-Condensing
Storage Temperature	-30°C to 60°C
Vibration	MIL-STD-810H Method 514.8 Procedure I
Impact	Support EN62262 IK07 Rating
Operating Temperature	-30°C to 60°C
Shock	MIL-STD-810H Method 516.8 Procedure I
IP rating	IP65
ESD	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air
Control	
Button	QWERTY keyboard, 1 x Power Button, 10 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)
SD Card Slot	1 x Micro SD Card Slot (Tablet)
Audio	2 x Speaker (Docking)
Serial Port	2 x COM Port (Docking)
SIM Card Slot	1 x Dual-Nano SIM Card Slot
LAN	1 x Gigabit LAN port (Docking)

	1 x CANBus or 1 x Áudio(Docking)	
Indicator	6 x LED Indicator (WLAN, BT, UPS battery, HDD, Screen Blanking, Heater)	Docking Connector SMA Connector(female) for external antenna WLAN SMA Connector(female) for external antenna GPS (Optional) SMA Connector(female) for external antenna WWAN (Optional)
Mechanical		
Dimension	Tablet: 268 x 214 x 32 mm (10.6 x 8.42 x 1.26 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 Kit 0.3M USB Cable 0.15M Power Converter Cable DC Jack Power Cable 84W Adapter with power cable Cable Clamp Kit Wi-Fi Antenna x 2 Quick Start Guide External Antenna Fixing Bracket Dock + Latch Locking Key Stylus Kit + Screw	Optional Accessory 1.8M RS232 Cable 0.3M Audio Cable 1.8M CAN BUS Cable 1.8M CAN BUS Open Wire Cable 2M IP65 LAN Cable GPS & LTE 2M Combo Antenna(VM240) GPS & LTE 5M Combo Antenna (VM9C) Magnetic Combo Antenna (VM10S) WWAN Antenna
Power		
Battery	7.6V UPS Battery (2S1P) Minimum 30 minutes	Power Rating Docking: 10V-60V with ignition control Tablet: 12V DC In
Consumption	45W (Typical)	

DIMENSIONS UNIT:MM



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.
8. COM port can supply 5V power via the 9th pin.