

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

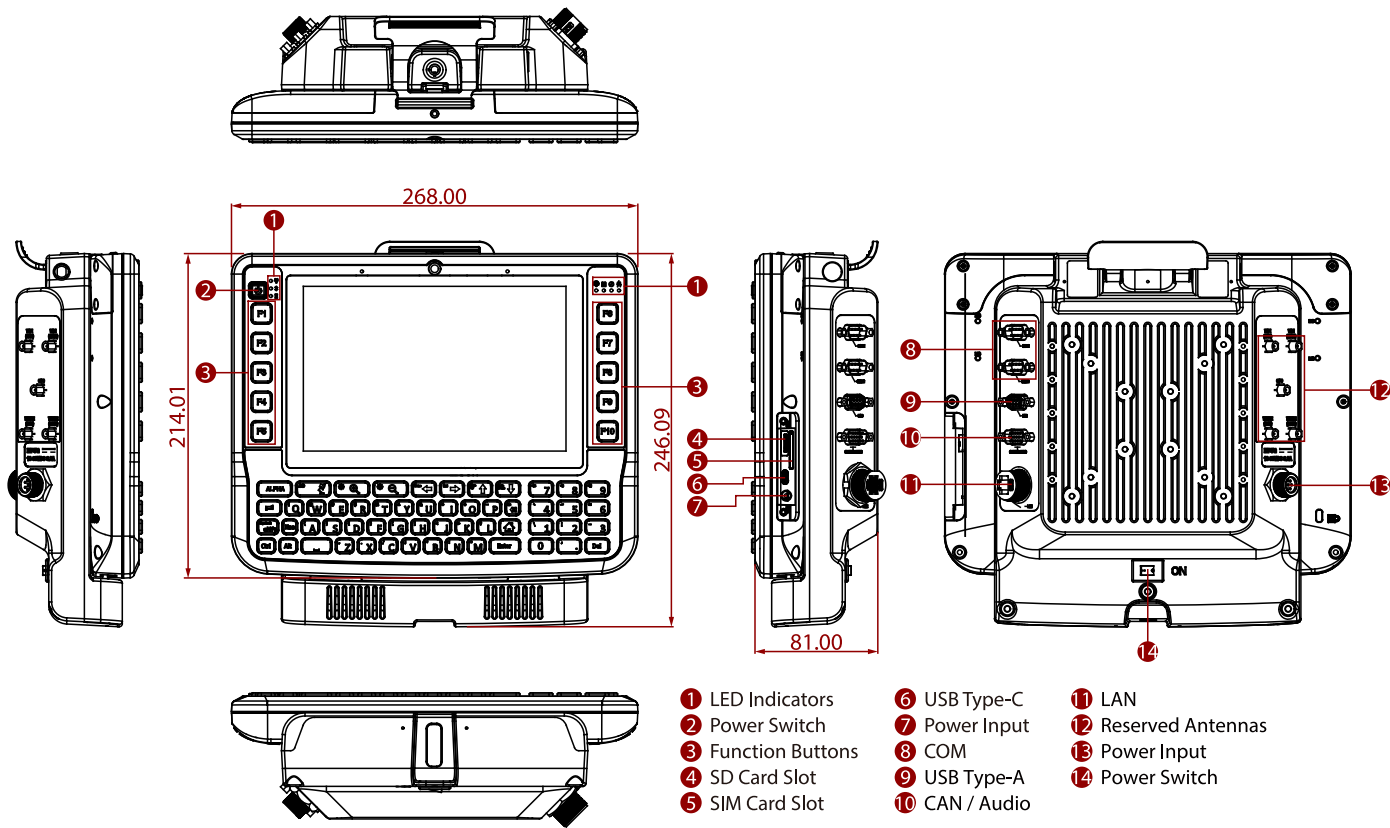


SPECIFICATIONS

Display			
Resolution	1280x800	Size	8.0 inches
Contrast Ratio	1500:1	Panel Brightness	800.0 nits
View Angles	80,80,80,80	Type	Projected Capacitive Multi Touch
Touch Mode	Support Hand / Gloves and Rain Mode		
System Specification			
Processor	Intel Atom x6413E 1.5GHz (up to 3GHz) Intel Atom x6425E 2GHz (up to 3GHz) (Optional)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 SSD 128GB 256GB (Optional)	Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise LTSC (64 bit) (Optional)	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 95% RH, Non-Condensing	Operating Temperature	-30°C to 60°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
Impact	Support EN62262 IK07 Rating	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)	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
Audio	2 x Speaker(Docking)	LAN	1 x Gigabit LAN port(Docking)

Indicator	1 x CANBus or 1 x Audio(Docking)	Docking Connector	SMA Connector(female) for external antenna WLAN
	6 x LED Indicator (WLAN, BT, UPS battery, HDD, Screen Blanking, Heater)		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)	Weight	Tablet 1.7 kg (3.75 lbs)
	Docking: 202 x 245 x 52 mm (7.9 x 9.6 x 2.04 inches)		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	Optional Accessory	1.8M RS232 Cable
	0.3M USB Cable		0.3M Audio Cable
	0.15M Power Converter Cable		1.8M CAN BUS Cable
	DC Jack Power Cable		1.8M CAN BUS Open Wire Cable
	84W Adapter with power cable		2M IP65 LAN Cable
	Cable Clamp Kit		GPS & LTE 2M Combo Antenna(VM240)
	Wi-Fi Antenna x 2		GPS & LTE 5M Combo Antenna (VM9C)
	Quick Start Guide		Magnetic Combo Antenna (VM10S)
	External Antenna Fixing Bracket		WWAN Antenna
	Dock + Latch Locking Key		
	Stylus Kit + Screw		
Power			
Battery	7.6V UPS Battery (2S1P)	Power Rating	Docking: 10V-60V with ignition control
	Minimum 30 minutes		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.