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
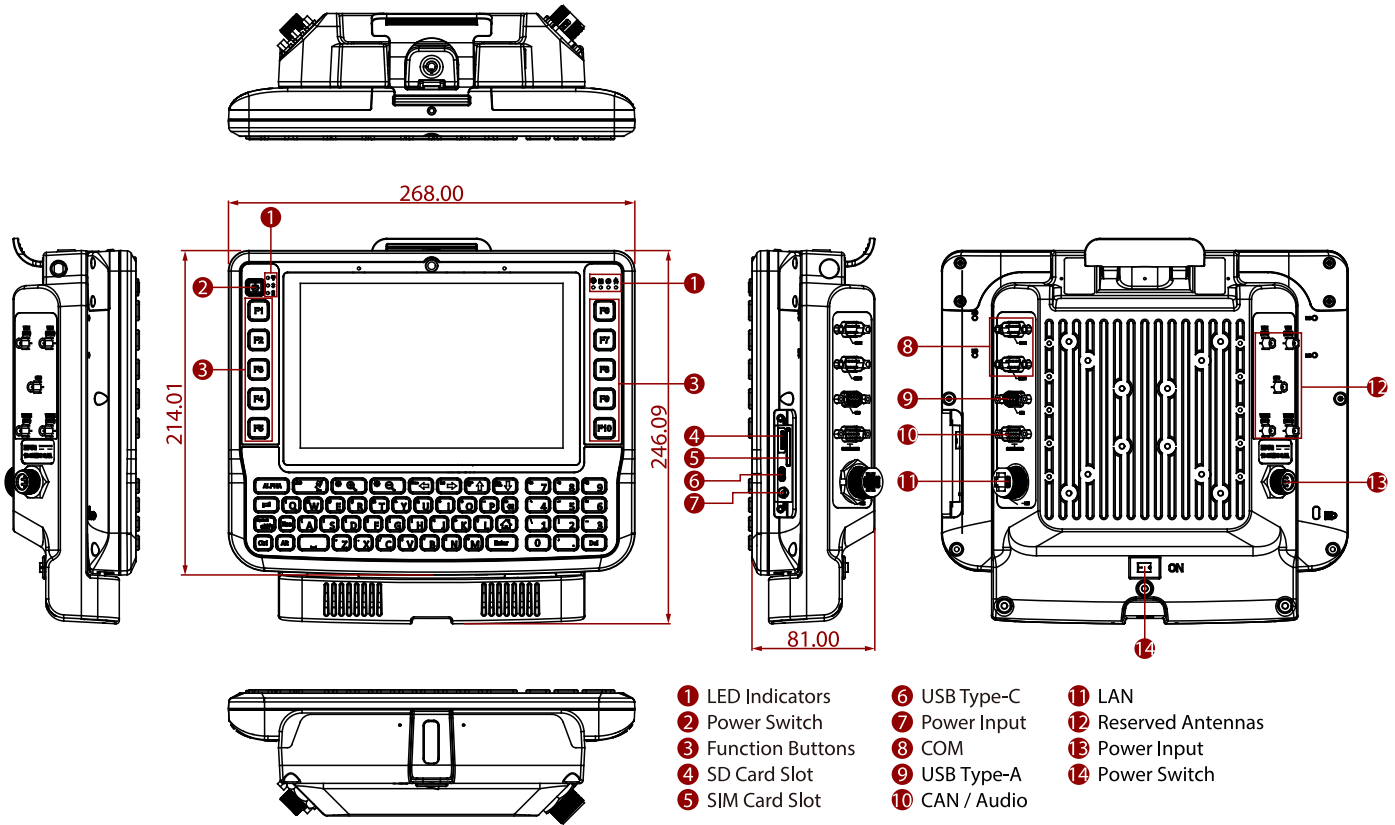- Wide range operating temperature

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)

	1 x CANBus or 1 x Audio(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

❶ LED Indicators	❻ USB Type-C	⓫ LAN
❷ Power Switch	❼ Power Input	⓬ Reserved Antennas
❸ Function Buttons	❽ COM	⓭ Power Input
❹ SD Card Slot	❾ USB Type-A	⓮ Power Switch
❺ SIM Card Slot	❿ CAN / Audio	

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.