FM12E

12.1" Windows Forklift Computers with Intel® Elkhart lake x6425E

KEY FEATURES

- Intel® Elkhart lake x6425E Processor, Windows forklift computers
- 12.1" 1024 x 768 Panel with PCAP Touch
- Field replaceable front panel to reduce service costs
- IP65 waterproof and dustproof
- Wide range operating temperature

SPECIFICATIONS

Display

Type	Projected Capacitive Multi Touch	**Touch Mode**	With Stylus Support With Gloves Support
Resolution	1024x768	**Size**	12.1 inches
Contrast Ratio	1000:1	**Panel Brightness**	400 nits 800 nits(Optional)
View Angles	89,89,89,89		

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-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 ±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, 5 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	4 x LED Indicator (WLAN, UPS battery, HDD, Heater)	**CANBUS**	1 x CANBus / Audio

Mechanical

Dimension	Tablet: 307 x 225 x 41 mm (12.08x 8.85 x 1.61 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

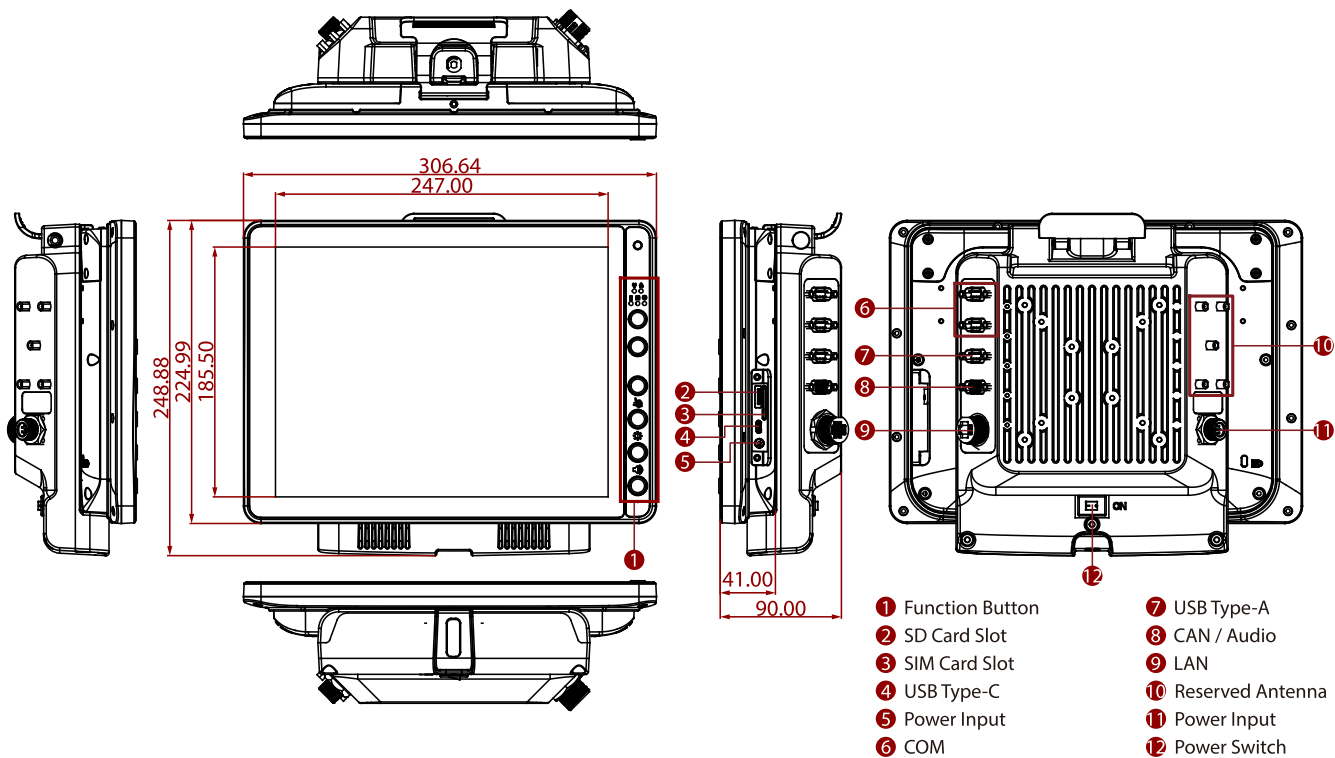|	
SOTI MobiControl	SOTI MobiControl Compliance

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

❶	Function Button	❼	USB Type-A
❷	SD Card Slot	❽	CAN / Audio
❸	SIM Card Slot	❾	LAN
❹	USB Type-C	❿	Reserved Antenna
❺	Power Input	⓫	Power Input
❻	COM	⓬	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.