

FM14E-V

14" Windows Vehicle Computer with Intel® Elkhart lake x6425E



KEY FEATURES

- Intel® Elkhart lake x6425E Processor vehicle computer
- 14" 1920 x 1080 Panel with PCAP touch screen
- IP65 waterproof and dustproof
- Wide power input 10-60V DC with ignition
- Wide range operating temperature
- Support VESA Mount



SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1920x1080
Size	14 inches	Contrast Ratio	800:1
Panel Brightness	700 nits	View Angles	85,85,85,85
Type	Projected Capacitive Multi Touch		
System Specification			
Processor	Intel Atom® x6425E (1.5M Cache, up to 3.00 GHz)	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	WLAN	Support
BT	Support	WWAN	4G/LTE (Optional)
GNSS	GPS/GLONASS (Optional)	Sensors	G-Sensor, Light Sensor ,Temp Sensor
Camera			
Front Camera	2MP Camera		
Mechanical			
Dimension	342 x 225 x 52 mm	Weight	2.5 kg
Mounting	RAM Mount/ VESA Mount	Cooling System	Fanless Design
IO Ports			
USB Port	1 x USB 3.0 Type C (OTG) 1 x USB 2.0 Port	Serial Port	2 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD Card Slot	SIM Card Slot	1 x Dual-Nano SIM Card Slot
Audio	1 x Audio(Mic in or Line Out) either one with DIDO (Optional)	LAN	1 x Gigabit LAN port PSE (IEEE 802.3at 30W) (Optional)
Indicator	4 x LED Indicator	DIDO	1 x DIDO (2XD1 ; 2XDO) either one with Audio (Optional)
CANBUS	1 x CANBus (Optional)		
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
Impact	Support EN62262 IK07 Rating	ESD	Compliant with EN 61000-4-2, enhanced ESD to ±12kV direct & ±15kV air
Certification			
Certification	CE, FCC FCC (Electromagnetic Emissions), IC (ICES-003) UL60950-1, EN60950-1, PTCRB		
Control			
Button	1 x Power Button, 4 x Function Button (Programmable Function Key Configured by Winset)		
Power			
Battery	400mAh UPS Battery for 20 minutes backup (Optional)	Power Rating	10V~60V with ignition control
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance		
Accessory			

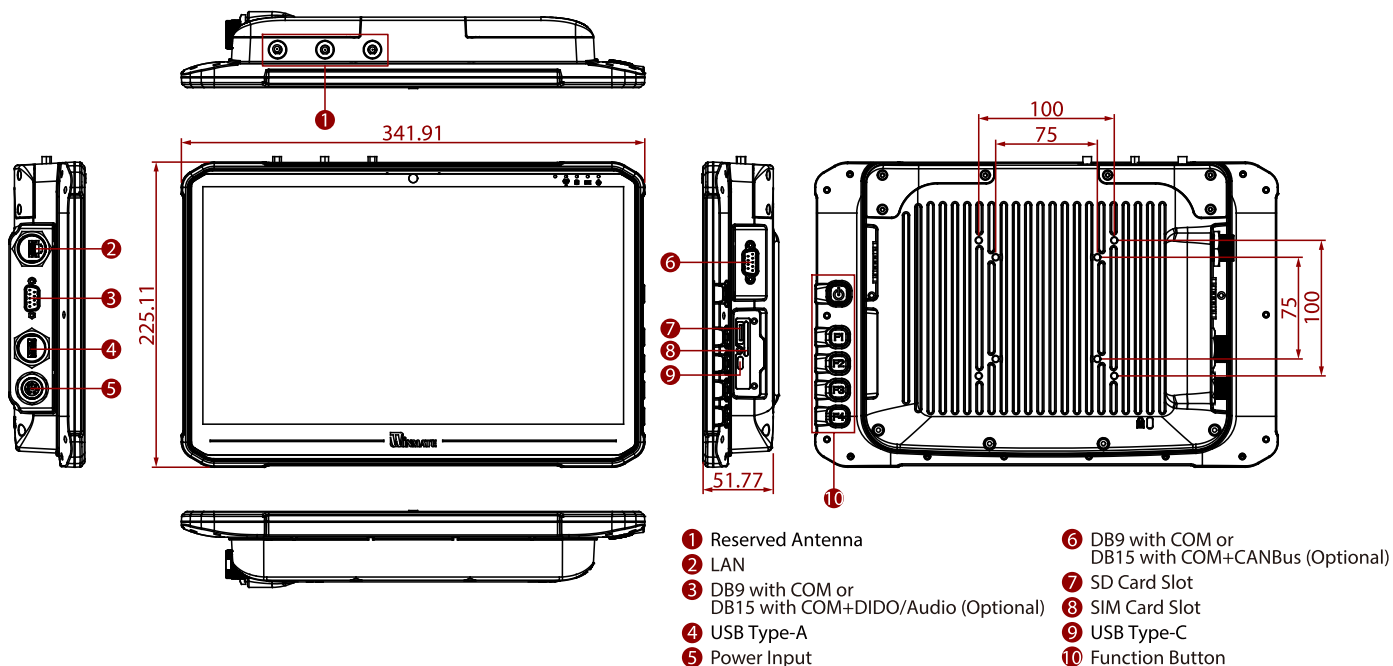
Accessory

- 5M Power Cable with Fuse Kit
- 0.15M Power Converter Cable
- DC Jack Power Cable
- 84W Adapter with power cable
- Quick Start Guide

Optional Accessory

- Stylus Kit + Screw
- 1.8M RS232 Cable
- 2M IP65 LAN Cable
- GPS & LTE 2M Combo Antenna(VM240)
- GPS & LTE 5M Combo Antenna (VM9C)
- GPS & LTE Magnetic Combo Antenna (VM10S)
- GPS Antenna
- WWAN Antenna
- 2M Waterproof USB Type-A to A Cable
- Cable Clamp Kit
- COM Port + CANBus Cable
- COM Port + DIDO Cable

DIMENSIONS UNIT:MM



- 1 Reserved Antenna
- 2 LAN
- 3 DB9 with COM or DB15 with COM+DIDO/Audio (Optional)
- 4 USB Type-A
- 5 Power Input
- 6 DB9 with COM or DB15 with COM+CANBus (Optional)
- 7 SD Card Slot
- 8 SIM Card Slot
- 9 USB Type-C
- 10 Function Button

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. The UPS battery is only expected to use for backup under low system loading and without I/O function.
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.