

# FM14AD-V

## 14" Windows Vehicle Computer with Intel® Alder Lake Processor



### KEY FEATURES

- 12th Gen. Intel® Processor Family – Alder Lake Processor
- 14" 1920 x 1080 Panel with PCAP touch screen vehicle mount terminal
- IP65 waterproof and dustproof
- Wide power input 10-60V DC with ignition
- Wide range operating temperature
- Support VESA Mount



### OVERVIEW



#### Vibration and shock-proof design ensure reliable performance

Winmate FM14AD-V is rugged enough to survive harsh industrial environments. Its solid enclosure enhances its durability according to the MIL-STD-810H standard and IP65 water and dust protection. The Winmate FM14AD-V is ready for your harshest environments.



#### Wider Screen

The FM14AD-V features a wider PCAP touch screen offering visibility and productivity in various environments and applications.



#### High-Performance CPU

The FM14AD-V is powered by the Intel Alder Lake Series processors to support the next generation of Industrial IoT. Provide better graphics performance and connectivity for integrated IoT features, real-time data management, and work efficiency.



#### Reliable computing under extreme operating temperatures

Get frost&nbsp;and condensation-free operation in the freezer. The Winmate all-in-one vehicle mount computer is designed to seamlessly fit most warehouses, cold supply chains, and heavy-duty vehicles. It features a set of programmable keys and a glove-friendly touchscreen to simplify complex operations.

### SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1920x1080
Size	14.0 inches	Contrast Ratio	800:1
Panel Brightness	700.0 nits	View Angles	85,85,85,85
Type	Projected Capacitive Multi Touch		
System Specification			
Processor	Intel® Core™ i5-1235U 3.30 GHz (up to 4.40 GHz)	Memory	8GB DDR5 SDRAM, up to 32GB
Storage	128GB NVMe SSD 256GB NVMe SSD (Optional)	Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise LTSC (64 bit) (Optional)	WLAN	Support

<b>BT</b>	Support	<b>WWAN</b>	LTE/5G Sub 6 (Optional)
<b>GNSS</b>	GPS/GLONASS (Optional)	<b>Sensors</b>	G-Sensor, Light Sensor ,Temp Sensor
<b>Camera</b>			
<b>Front Camera</b>	2MP Camera		
<b>Mechanical</b>			
<b>Dimension</b>	342 x 225 x 52 mm	<b>Weight</b>	2.5 kg
<b>Mounting</b>	VESA mount	<b>Cooling System</b>	Fanless Design
<b>IO Ports</b>			
<b>USB Port</b>	1 x USB 3.0 Type C 1 x USB 2.0 Port	<b>Serial Port</b>	2 x RS232/422/485 (Default RS232)
<b>SD Card Slot</b>	1 x Micro SD Card Slot	<b>SIM Card Slot</b>	1 x Dual-Nano SIM Card Slot
<b>Audio</b>	1 x Audio(Mic in & Line Out) either one with DIDO (Optional)	<b>LAN</b>	1 x Gigabit LAN port PSE (IEEE 802.3at 30W) (Optional)
<b>Indicator</b>	4 x LED Indicator	<b>DIDO</b>	1 x DIDO (2XDI ; 2XDO) either one with Audio (Optional)
<b>CANBUS</b>	1 x CANBus (Optional)		
<b>Environment</b>			
<b>Operating Humidity</b>	5% to 90% RH, Non-Condensing	<b>Operating Temperature</b>	-30°C to 60°C
<b>Storage Temperature</b>	-30°C to 60°C	<b>Shock</b>	MIL-STD-810H Method 516.8 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.8 Procedure I	<b>IP rating</b>	IP65
<b>Impact</b>	Support EN62262 IK07 Rating	<b>ESD</b>	Compliant with EN 61000-4-2, enhanced ESD to ±8kV direct & ±12kV air
<b>Certification</b>			
<b>Certification</b>	CE, FCC FCC (Electromagnetic Emissions), IC (ICES-003) UL60950-1, EN60950-1, PTCRB		
<b>Control</b>			
<b>Button</b>	1 x Power Button, 4 x Function Button (Programmable Function Key Configured by Winset)		
<b>Power</b>			
<b>Battery</b>	2400mAh UPS Battery for 1 hour backup (Optional)	<b>Power Rating</b>	10V~60V with ignition control
<b>Security Function</b>			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance		
<b>Accessory</b>			
<b>Accessory</b>	1.8M Power Cable with Fuse Kit 0.15M Power Converter Cable DC Jack Power Cable 150W Adapter with power cable Quick Start Guide	<b>Optional Accessory</b>	Stylus Kit + Screw 1.8M RS232 Cable 2M IP65 LAN Cable 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

