FM14Q-V

14" Android Vehicle Computer with Qualcomm Snapdragon™ 660

KEY FEATURES

- Qualcomm Snapdragon™ 660 octacore, 2.2 GHz CPU
- 14" 1920 x 1080 Panel with PCAP touch screen, Android vehicle computer
- IP65 waterproof and dustproof
- Wide power input 10-60V DC with ignition
- Wide range operating temperature
- Support VESA Mount

OVERVIEW

Durable design ensures reliable performance

Winmate FM14Q-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 FM14Q is ready for your harshest environments.

Wider Screen

The FM14Q-V features a wider PCAP touch screen offering visibility and productivity in various environments and applications.

High-Performance CPU

The FM14Q-V is powered by Qualcomm Snapdragon™ 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 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	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)	Memory	3GB
Storage	32GB	Operating System	Android 9.0
WLAN	Support	BT	Support
WWAN	4G/LTE (Optional)	GNSS	GPS/GLONASS (Optional)

Sensors	G-Sensor, Temp. Sensor		
Camera			
Front Camera	2MP Camera		
Mechanical			
Dimension	342 x 225 x 52 mm	Weight	2.5 kg
Mounting	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 & Line Out) either one with DIDO (Optional)	LAN	1 x Gigabit LAN port PSE (IEEE 802.3at 30W) (Optional)
Indicator	3 x LED Indicator	DIDO	1 x DIDO (2XDI ; 2XDO) either one with Audio (Optional)
CANBUS	1 x CANBus (Optional)		
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 ±8kV 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
Consumption	35W (Typical)		
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance		
Accessory			
Accessory	1.8M Power Cable with Fuse Kit 0.15M Power Converter Cable DC Jack Power Cable 84W Adapter with power cable Quick Start Guide	Optional Accessory	5M Power Cable with Fuse KitStylus 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

341.93
225.13
52
100
75
75
100

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

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