

FM12E-V 12.1" Vehicle Computer with Intel(R) Elkhart lake x6413E

Manufacturer part number: FM12E-V | Windows Vehicle Mounted Computers



Explore Winmate FM12E-V, a vehicle-mounted computer featuring Intel(R) Celeron(R) N6211, 12.1-inch display with 1024x768 resolution...

Display	
Size	12.1 inches
Type	Projected Capacitive Multi Touch
Resolution	1024x768
Panel Brightness	400 nits(Default), 800 (Optional)
Contrast Ratio	1000:1
View Angles	89,89,89,89
Touch Mode	Support Hand, Stylus, Glove Mode
System Specification	
Processor	Intel Atom x6413E 1.5GHz (up to 3GHz) (Default), Intel Atom x6425E 2GHz (up to 3GHz) (Optional), Intel Atom x7433RE 1.5 GHz (up to 3.4 GHz) (Optional), Intel Atom x7835RE 1.3 GHz (up to 3.6 GHz) (Optional)
Memory	4GB (Default), 8GB(Optional) , 16GB(Optional)
Storage	128GB (Default), 256GB (Optional), 512GB (Optional)
Security	TPM 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) (Default), Windows 11 IoT Enterprise LTSC (64 bit) (Optional)
WLAN	Support
BT	Support
WWAN	4G/LTE (Optional)
GNSS	GPS/GLONASS (Optional)
Sensors	G-Sensor, Light Sensor ,Temp Sensor
Camera	
Front Camera	2MP Camera
Environment	
Operating Humidity	5% to 90% RH, Non-Condensing
Operating Temperature	-30 deg C to 60 deg C
Storage Temperature	-30 deg C to 60 deg 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 & +/-12kV air
Certification	
Certification	CE, FCC, FCC (Electromagnetic Emissions), IC (ICES-003), UL60950-1, EN60950-1, PTCRB
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, 1 x USB 2.0 Type-A
Serial Port	2 x RS232/422/485 (Default RS232)
LAN	1 x Gigabit LAN port (Default), PSE (IEEE 802.3at 30W) (Optional)
Audio	1 x Audio(Mic in & Line Out) either one with DIDO (Optional)
SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	1 x Dual-Nano SIM Card Slot
Indicator	4 x LED Indicator, (WLAN, UPS battery, HDD, Heater)
DIDO	1 x DIDO (2XDI ; 2XDO) either one with Audio (Optional)
CANBUS	1 x CANBus (Optional)
Mechanical	
Dimension	306.6 x 225 x 56.6 mm
Weight	2.4kg
Mounting	VESA mount
Cooling System	Fanless Design
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
Power	
Battery	400mAh UPS Battery for 20 minutes backup (Optional)
Power Rating	10V~60V with ignition control
Consumption	45W (Typical)