

# VMR12E



## Technical Specifications

**Processor:** Intel Atom® x6413E (9W, 1.5M Cache, up to 3.00 GHz)

**Chipset:** EC ITE IT5571

**Memory:** 8 GB DDR4 3200 MHz SO-DIMM, expandable up to 32 GB

### Storage:

1 x 2.5" Drive Bay (7mm HDD/SSD compatible, 128 GB SSD standard)

1 x M.2 Key-B 2242/3042/3052 with SIM card slot, supporting SATA III

1 x M.2 Key-E 2230, supporting PCIe x1, USB 2.0

## Display

**Size:** 12.1" 4:3

**Resolution:** 1024x768

**Brightness:** 600 NIT

**Contrast Ratio:** 1000:1

**Viewing Angle:** 89° (U), 89° (D), 89° (L), 89° (R)

**Response Time:** 13 ms

**Backlight:** LED

**Dimmer:** Turnable Knob, 0 ~ 100 % (factory optional)

**Touchscreen:** 5-wire resistive

## I/O Ports:

4 x USB 3.2

1 x RS-232/422/485

1 x RS-232

2 x RJ45 (Intel® I225-IT 2.5 Gigabit Ethernet)

2 x Speaker out (2 x 2W)

1 x HDMI (via expansion)

**Audio:** 2 x Speaker out (2 x 2W)

## Network:

2 x RJ45 (Intel® I225-IT 2.5 Gigabit Ethernet)

Wi-Fi 802.11 ac/a/b/g/n & BT 4.2

## Expansion Slots:

1 x M.2 Key-B 2242/3042/3052 with SIM card slot (SATA III)

1 x M.2 Key-E 2230 (PCIe x1, USB 2.0)

**Operating System:** Windows 11

**Security:** Onboard NuvoTon NPCT754AABYX TPM 2.0

**Chassis:** Aluminum alloy with IP65-rated front panel

**Mounting:** VESA 100mm x 100mm and 75mm x 75mm

## Dimensions

**Height:** 221.1 mm

**Width:** 283 mm

**Depth:** 51.2 mm

**Weight:** 2.4 kg

## Power Supply

**Input:** +12 — 24 VDC

**AC Adapter:** 110V ~ 250V (50 ~ 63Hz)

**Output:** 60W Adapter (12V @ 5A)

## Environmental Specifications

**Operating Temperature:** -20 ~ 60°C

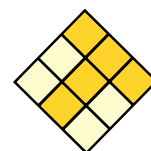
**Storage Temperature:** -20 ~ 70°C

**Operating Humidity:** 40°C @ 95% Relative Humidity, Non-condensing

**Vibration Test:** With SSD/mSATA: 3Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30 mins/axis

**Shock Test:** Operating with SSD/CFast/mSATA: MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G

**Certifications:** CE, FCC, RoHS



# tactile

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