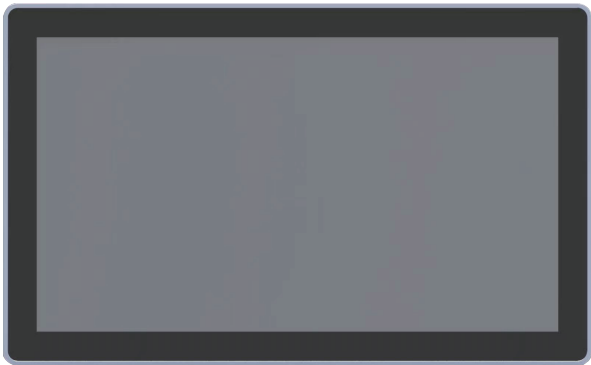




FEATURES

- Broadcom BCM2712, quad core Cortex-A76 (ARM v8) 64-bit SoC @ 2.4GHz
- up to 16GB LPDDR4 RAM and 64GB eMMC
- Dual network ports
- Support 2.4GHz & 5GHz Wi-Fi, Bluetooth and 4G wireless mode
- 12V~24V wide voltage power input, TVS transient voltage and reverse protection

SPECIFICATIONS

System

CPU	Broadcom BCM2712, quad core Cortex-A76 (ARM v8) 64-bit SoC @ 2.4GHz
Memory	LPDDR4X-4267 SDRAM Max. 16GB
Storage	1 x M.2 B Key 2230/2242 SATA SSD, 1 x EMMC Max. 64GB
Display	1 x HDMI, Support 4K@60Hz
USB	2 x USB2.0 Type-A 1 x Micro USB
LAN	1 x RJ45, 1000Mbps, 1 x RJ45, 100Mbps
COM	2 x RS232, 2 x RS485
Audio	1 x Speaker 4Ω 5W, 1 x Combo Jack
SD Card	1 x Micro SD Card slot
SIM Card	1 x Nano SIM Card slot
Expansion	1 x Onboard WiFi(2.4GHz & 5GHz) & Bluetooth, 1 x Mini PCIe for 4G
RTC	Support
Buzzer	Support
OS	Raspberry Pi OS (Desktop) 64 bit, Raspberry Pi OS (Lite) 64 bit

Power

Input Voltage	12~24V, over-current/voltage/reverse protection
Maximum power	35W

OPTIONS

System

Memory	LPDDR4X-4267 SDRAM, 2GB, 4GB, 8GB, 16GB
Storage	M.2 2242 SATA SSD, 128GB, 256GB, 512GB EMMC 16GB, 32GB, 64GB

LCD

Size	15.6 inch
Resolution	1920 x 1080
Aspect ratio	16:9
Colors	16.7M
Luminance	450 cd/m2
Contrast Ratio	1500:1
Response Time	25ms
Surface Hardness	6H
Viewing Angle	85°(L) / 85°(R) /85°(U) /85°(D)
Multi-touch	5

Mechanical

Dimensions	388.3 x 238.3 x 46.5 mm (15.3x9.4x1.8 in)
Net Weight	2.4kg (5.3 lb)
Mount	VESA 75 and panel mounting

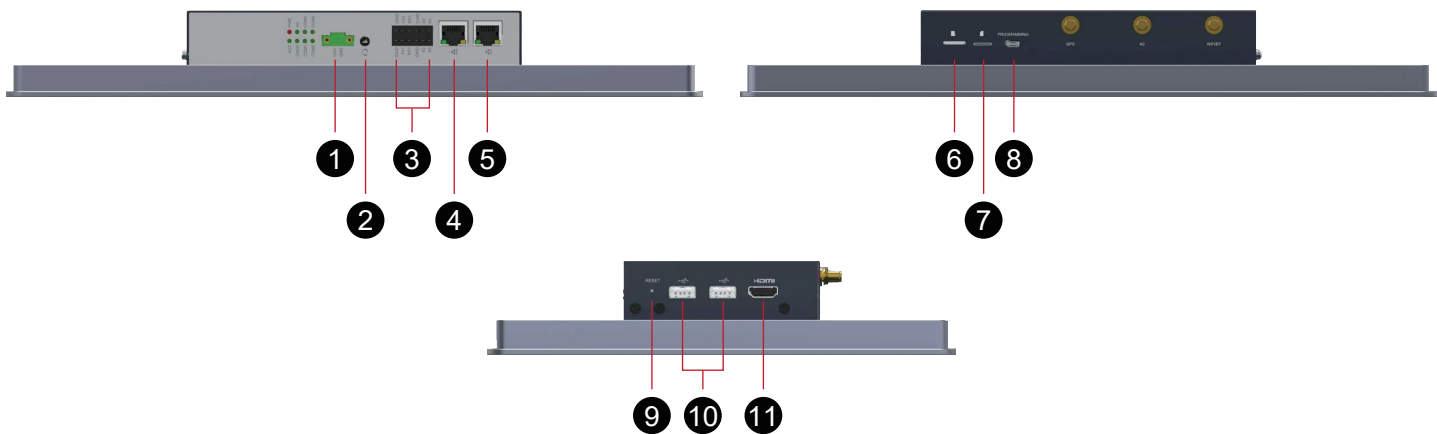
Environment

Operating Temperature	-20~50°C (-4~122°F)
Storage Temperature	-20~60°C (-4~140°F)
Relative Humidity	5%~95% (non-condensing)
IP Rating	IP65 (Front panel)
EMC	CE FCC

Others

4G	EC20, EC25
Wi-Fi / BT	2.4GHz & 5GHz Wi-Fi and Bluetooth 5.0
Capacitor	Supercapacitor backup power supply

I/O LAYOUT



- 1

DC IN
- 2

Combo Jack
- 3

2 x RS232, 2 x RS485
- 4

1 x RJ45, 1000Mbps
- 5

1 x RJ45, 100Mbps
- 6

SD Card
- 7

SIM
- 8

Mini USB, Programming
- 9

Reset
- 10

2 x USB2.0
- 11

HDMI 4K@60Hz

PRODUCT DIMENSIONS

unit: mm

