



ESP2 1235U

FANLESS IPC

- Intel® Core™ 12th Processor (i5-1235U)
- 1x DDR4 3200 MHz up to 64GB RAM
- 12V ~ 24V DC-in w/220VAC Power Adapter
- 2x LAN Intel® Gigabit Ethernet
- 2x Video interface (HDMI - VGA)
- 4x RS485 + 2x RS232, 3x USB3.0 + 3x USB2.0
- 2x PCI/PCIe slots with three configuration options available:
1x PCI + 1x PCIe or 2x PCI or 2x PCIe



MAINBOARD

CPU: Intel® Core™ i5-1235U
10 Core / 12 Thread
1.3 GHz (Base) / 4.4 GHz (Turbo), 15W

MEMORY

Capacity: up to 16GB
Frequency: 3200 MHz
Type: 1x SO-DIMM DDR4

STORAGE

SATA: 1x SATA3
mSATA: 1x mSATA (full size)
Storage Bay: 1x Internal 2.5" SSD Bay

I/O INTERFACE

Serial ports: 4x COM RS485, 2x COM RS232
USB ports: 3x USB 3.0, 3x USB 2.0
Mini-PCIe: 1x Mini-PCIe (Half size) for WIFI/4G module
SIM: 1x Embedded SIM Slot
Optional: 1x GPIO, 1x Audio

EXPANSION

PCI/PCIe Slots: 1x PCIe 4X + 1x PCI(32 bit) (Standard)
2x PCI (32 bit) (On request)
1x PCIE 4X + 1x PCIE 1X (On request)

VIDEO

GPU: Intel® Iris Xe Graphics
Interface: 1x HDMI (Up to 4096x2304 @60Hz)
1x VGA (Up to 1920x1080 @60Hz)

ETHERNET

LAN: 2x Intel i210-AT Gigabit LAN

POWER

Power in: 12 to 24V, DC-in
Max Power: 90W max
Adapter: AC 90~240V to DC 12V @7.5A/90W

MECHANICAL

Material: Lightweight aluminum alloy
with extruded aluminum IO panel
Dimensions: (L)216x(W)115x(H)185mm
Weight: 4.0Kg
Mounting: Wall-Mount (Available in 2 version)

ENVIRONMENT

Operating temp.: -20°C to 60°C with air flow
Storage temp.: -20°C to 70°C
Humidity: 5% to 95% Humidity, non-condensing
EMC: CE, RoHS

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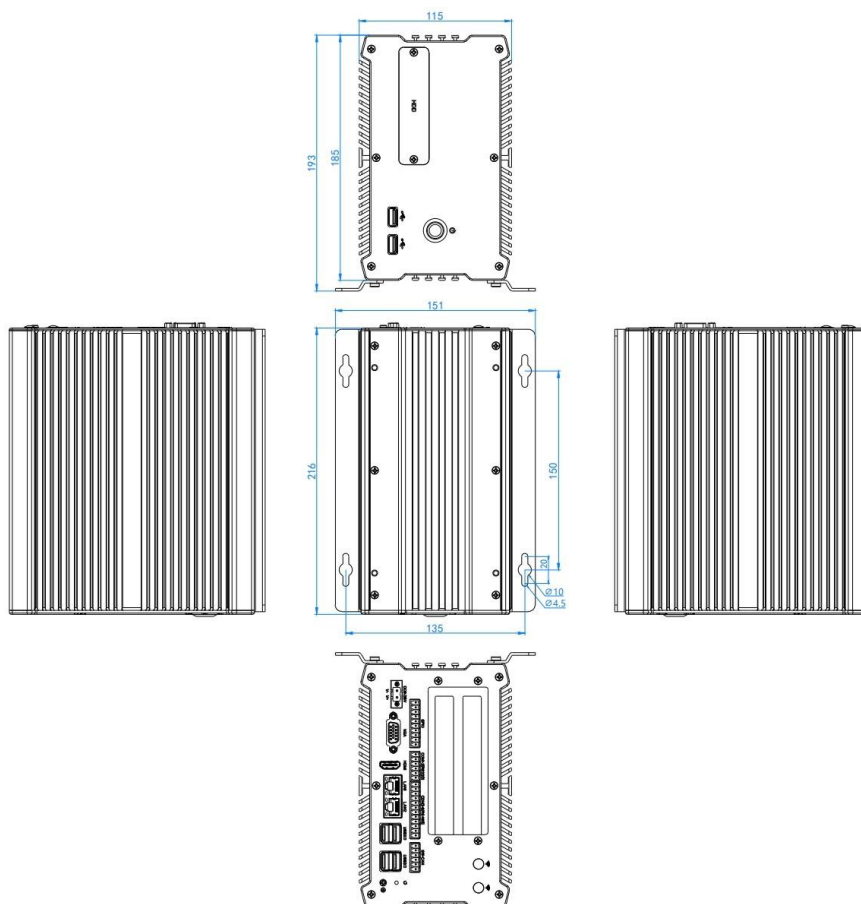
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Accessories Included:

- WALL Mount Kit (Available in 2 version)
- Power Adapter 12V @60W + Power Cable
- Screw pack

Compatible OS:

MS WINDOWS (64bit)

- Windows 10
- Windows 10 Enterprise LTSC (IoT)
- Windows 11
- Windows 11 Enterprise LTSC (IoT)



LINUX *

- CentOS Stream 10
- Debian 12
- Fedora 42
- Ubuntu 24.04 LTS
- pfSense 2.7.2



Order Code:

B04 - 16E - ESP2 - 1235U - RXX - SSDXXX

RAM	R08	(8 GB)	STORAGE	SSD (2,5")	M2D/SSD128
	R16	(16 GB)		MSD (mSATA)	M2D/SSD256
	R32	(32 GB)		M2D (M.2)	Other on Request
	R64	(64 GB)			

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