



QUANTUM Ultra 5 125U

FANLESS IPC

- Intel® Core™ 14th Ultra 5 125U Processor
- 1x DDR5 5600 MHz up to 32GB RAM
- 12V, DC-in w/ 220VAC Power Adapter
- 4x USB 3.1 + 1x Type C + 2x COM (RS232/485)
- 3x 2.5 Gigabit Ethernet LAN (vPRO optional)
- WIFI and/or 4G/5G connectivity (Optional)
- 4x 4K Video interface (HDMI + Type C)



MAINBOARD

CPU:	Intel® Core™ Ultra 5 125U 12 Core / 14 Thread 1.3 GHz (Base) / 4.3 GHz (Turbo) 15W
NPU:	Intel® AI Boost 1.4 GHz

MEMORY

Capacity:	up to 32GB
Frequency:	5600 MHz
Type:	1x SO-DIMM DDR5

STORAGE

SATA:	1x SATA3
M.2:	1x M.2 M-Key (2280, NVMe)
Storage Bay:	1x Internal 2.5" SSD Bay

I/O INTERFACE

Serial ports:	2x COM RS232/485
USB ports:	4x USB 3.1 + 1x Type C
M.2:	1x M.2 E-Key Slot (2230, WIFI)
Mini-PCIe:	1x Mini-PCIe (WIFI/4G)
SIM:	1x SIM Slot (NanoSIM)
AUDIO:	1x Line-out Combo Jack

VIDEO

GPU:	Intel® UHD Graphics
Interface:	3x HDMI 1.4 (Up to 4096x2160 @60Hz) 1x Type C (Up to 4096x2160 @60Hz)

ETHERNET

LAN:	3x Intel i226-V 2.5 Gigabit LAN Optional vPRO
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POWER

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

MECHANICAL

Material:	High-quality aluminum
Dimensions:	(W)186x(D)126.5x(H)66mm
Weight:	<1,3 Kg
Mounting:	Wall Mount + VESA Kit

ENVIRONMENT

Operating temp.:	-20°C to +50°C - w/Air Flow
Storage temp.:	-20°C to 85C
Humidity:	10% to 90% RH @40°C, non-condensing
EMC:	CE, FCC, RoHS

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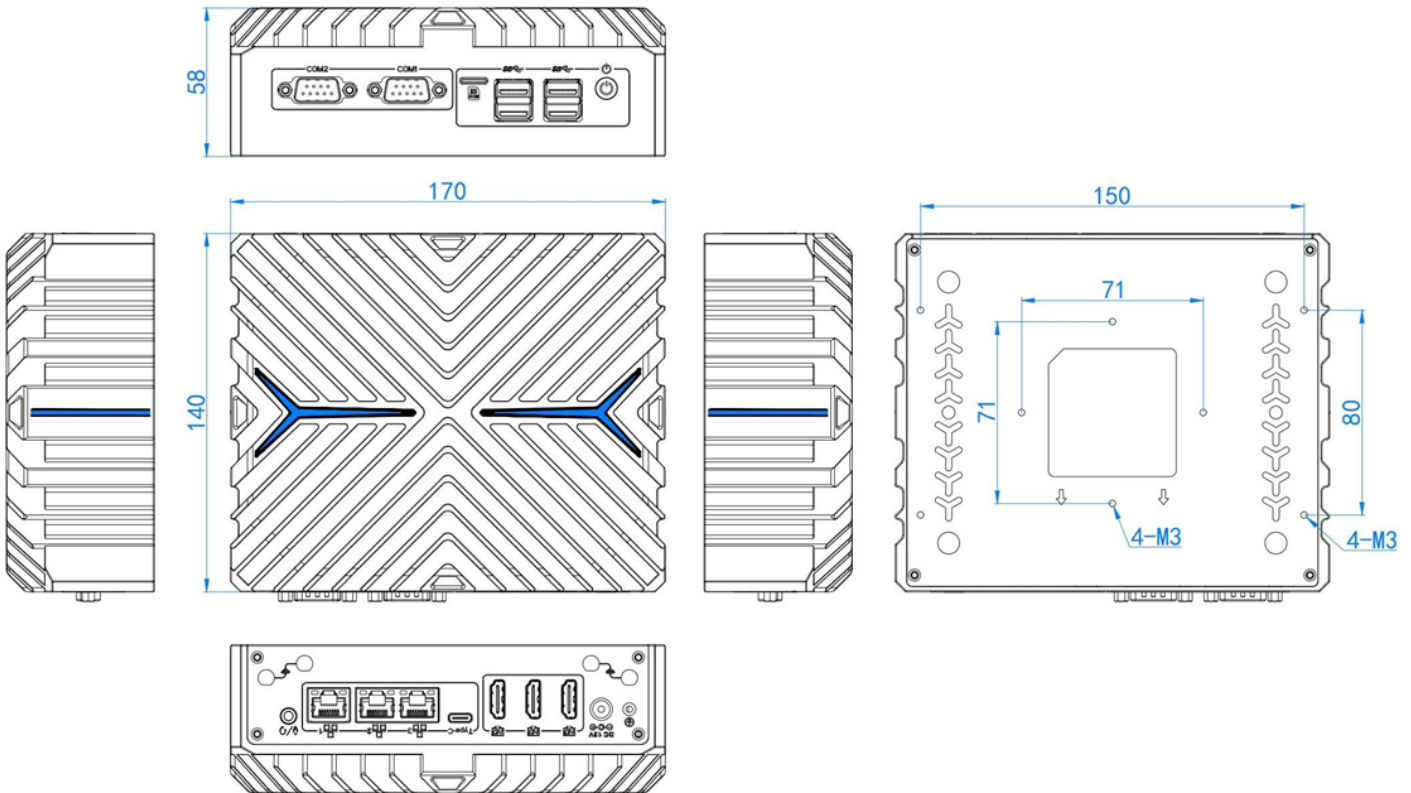
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Accessories Included:

- WALL + VESA Mount Kit
- Power Adapter 12V @60W + Power Cable

Compatible OS:

MS WINDOWS (64bit)

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



LINUX *

- CentOS 8
- Debian 10
- Fedora 34
- Ubuntu 20.04 LTS
- pfSense 2.4.4



* Linux distributions tested with the IPC.

Order Code:

B04 - 27C - QUANTUM ULTRA - 5-125U - 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

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