



## QUANTUM EVO i7-1255U

FANLESS IPC

- Intel® Core™ 12<sup>th</sup> Processor (i7-1255U)
- 1x DDR5 4800 MHz up to **32GB RAM**
- **12V**, DC-in w/ 220VAC Power Adapter
- 4x USB 3.1 + 2x COM (RS232/485)
- 3x 2.5 Gigabit Ethernet LAN
- WIFI and/or 4G/5G connectivity (Optional)
- 3x 4K Video interface (HDMI)

intel®

CE

FCC

RoHS  
COMPLIANT

### MAINBOARD

**CPU:** Intel® Core™ i7-1255U  
10 Core / 12 Thread  
3.5 GHz (Base) / 4.7 GHz (Turbo) 15W

### MEMORY

**Capacity:** up to **32GB**  
**Frequency:** 4800 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  
**M.2:** 1x M.2 E-Key Slot (2230, WIFI)  
1x M.2 B-Key Slot (3052, 4G/5G)  
**SIM:** 1x SIM Slot (MicroSIM)  
**AUDIO:** 1x Line-out Combo Jack

### VIDEO

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

### ETHERNET

**LAN:** 3x Intel i225-V 2.5 Gigabit LAN

### POWER

**Power in:** 12V, DC-in  
**MAX Power :** 90W max  
**Adapter:** AC\_90~240V / DC\_12V\_7.5A/90W

### MECHANICAL

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

### ENVIRONMENT

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

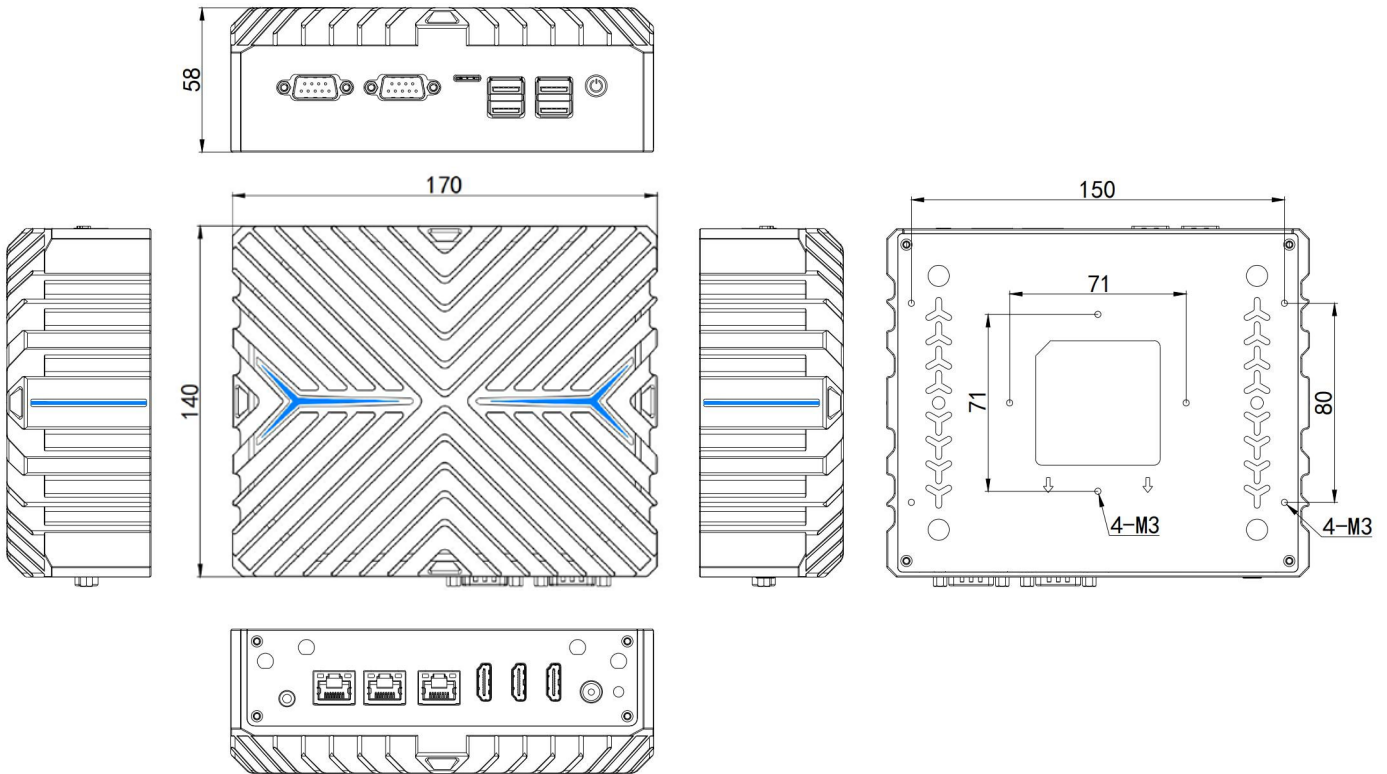
## SARC ITALIA SRL

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CE FCC

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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 EVO - I7-1255U - 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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