

IPC-MI05 Ultra x (14th gen.) fanless Box PC



Overview:

- various Intel® processors applicable
- compact size
- operates fanless
- M.2 SSD or HD 2,5"
- up to 64 GB RAM DDR5
- 2 x Ethernet / dual Gigabit LAN
- housing with side brackets
- VESA 100 mm
- Optional WiFi/ Bluetooth

Description:

The IPC-MI05 is a compact mounting / wall-mount PC featuring an embedded industrial motherboard in mini-ITX format. The system operates fanless and can be equipped with Intel® Ultra 5 / Ultra 7 processors of 14th generation, making it suitable for a wide range of visualization tasks. Linux and Windows operating systems are supported. Customer-specific configurations can be manufactured cost-effectively, even in small quantities. When equipped with an SSD, the system is suitable for operation in harsh industrial environments and in vehicles. The industrial PC can be easily mounted using the side mounting brackets on a mounting plate, control cabinet wall, or control panel. Alternatively, the devices can be installed using the VESA mounting interface.

technical date:

Overview:

Embedded Box PC fanless with mini-ITX motherboard

Storage:

SSD or HD 2,5"

Interfaces:

6x USB, 6x RS232 COM, Gigabit LAN 2x DP, HDMI, Audio out

Software:

Windows, Linux

ventilation:

fanless

power supply:

12VDC via external wide-range-power supply
100-240VAC,
option 9-36 VDC

mounting:

mounting via side brackets or VESA 100

dimensions / weight:

about 322 x 210 x 36,2 / about 2,2 kg

case:

Aluminum cooling cover and metal enclosure, silver or black

environmental conditions:

operating: -10-50°C with 10-90% humidity range

protection class:

IP40

certification:

CE/ FCC/RoHS

IPC-MI05 Ultra x (14th gen.)

fanless Box PC



Processor:

Intel® Core (14th gen.) / Chipset: Meteor Lake

Ultra 5-125U / 135U (12 cores 1.3GHZ)

Ultra 7-155U / 165U (12 cores 1.7GHZ)

Graphic:

Graphic Intel® Arc

Storage:

SO-DIMM max. 64GB (standard 8GB)

part number Processor:

10060xxx IPC-MI05 Ultra 5 125U

10060xxx IPC-MI05 Ultra 5 135U

10060xxx IPC-MI05 Ultra 7 155U

10060xxx IPC-MI05 Ultra 7 165U

part number options:

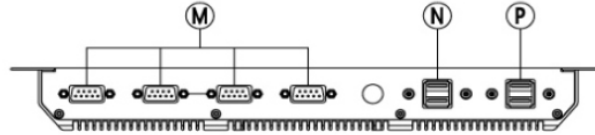
- | | |
|-----------------|----------------------------|
| 10060390 | Option black |
| 10060387 | Option 9-36VDC |
| 10060393 | Option RAM 16GB |
| 10060395 | Option SSD 256GB |
| 10060388 | Option SSD 512GB |
| 10060396 | Option HDD 500GB or higher |
| 10060397 | Option WIFI / Bluetooth |
| 10060398 | Option external fan |
| 10060399 | Option 1x RS485 / 422 |

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Dimension are in mm

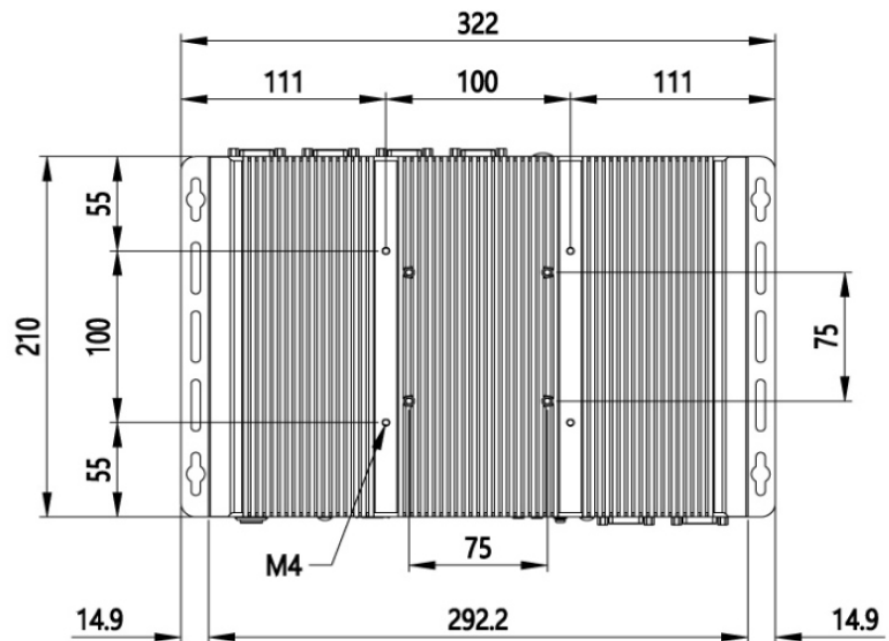
Top View



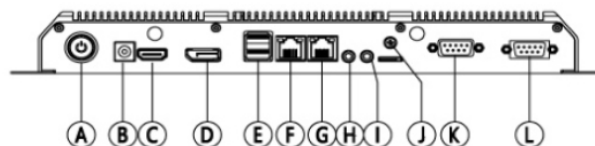
Side View



Front View



Bottom View



- | | | | |
|--------------|-------------|------------|------------|
| Ⓐ ON/OFF | Ⓑ DC12V7A | Ⓒ HDMI 1 | Ⓓ DP |
| Ⓔ USB3.2 * 2 | Ⓕ LAN 2 | Ⓖ LAN 1 | Ⓗ Line-out |
| Ⓘ Mic-in | Ⓙ Ground | Ⓚ COM 1 | Ⓛ COM 2 |
| Ⓜ COM3~6 | Ⓝ USB2.0 *2 | Ⓟ USB3.2*2 | |

