

Intel® 12th/13th/14th Gen Core™ i3/i5/i7 Industrial Computer with Multiple Expansion Slots



Features:

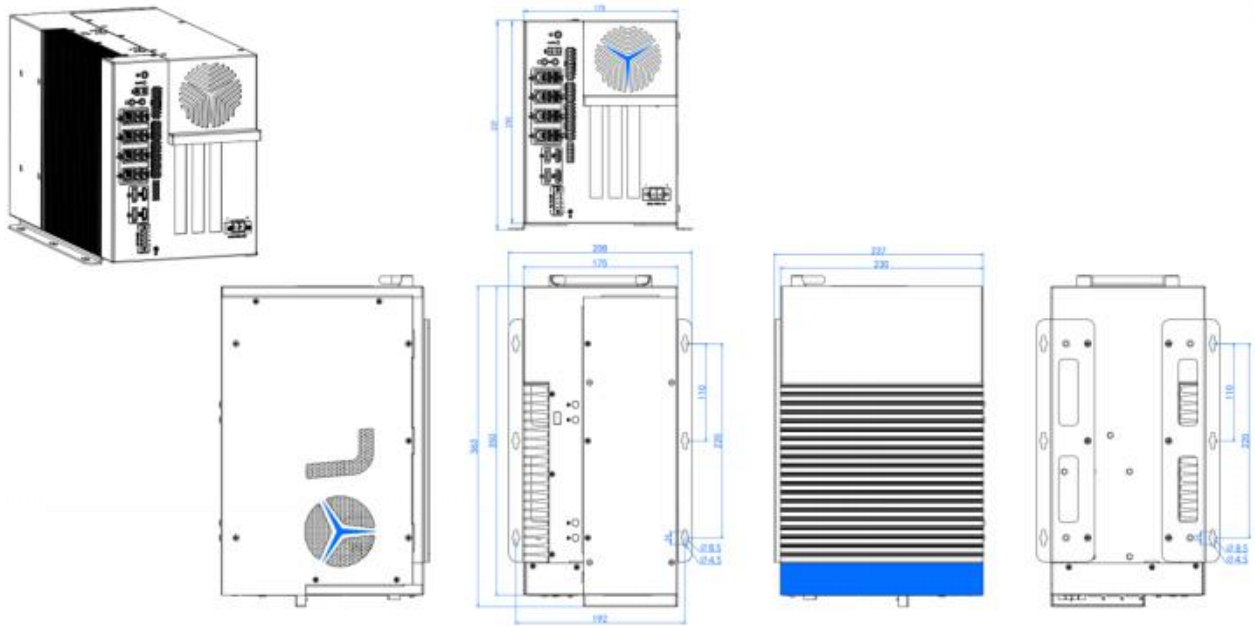
- ◇ Intel Q670 chipset;
- ◇ 4 x M.2 + 1× Mini PCIe;
- ◇ 1xPCIe X16+ 2xPCIe X8;
- ◇ 6× COM (4× RS485, 2× RS232);
- ◇ 8× USB 3.1, 4× GbE LAN (vPro supported);
- ◇ 2× HDMI + 2× DP, quad independent UHD outputs (sync/async)
- ◇ Dedicated graphics & high-performance AI accelerator cards;
- ◇ OS Support:



Specification

| | |
|----------------|--|
| Model | Partaker I36-A Titanium Gray (color customizable) |
| Case Material | High-quality aluminum alloy + stainless steel structure |
| Processor | Intel 12th/13th/14th Gen (Alder Lake-S / Raptor Lake-S desktop processors), LGA1700 |
| Chip set | Intel Q670/ W680 |
| Memory | 2× DDR5 SODIMM, 4800/5600 MHz, up to 64 GB |
| Display Chip | Intel HD Graphics 730/770 (integrated) |
| Display Port | 2× HDMI + 2× DP, supports up to 4 independent UHD displays (sync/async) |
| I/O Port | 4× GbE LAN, 8× USB 3.1, 6× COM (COM1–4: RS485, COM5–6: RS232) 2× HDMI, 2× DP, 4-in/4-out GPIO (optocoupled), 4-pos remote switch, CLRRTC button 1x 4P+1x 2P power input, power switch, mic/speaker jacks, 1x 6P Phoenix terminal (customizable) |
| Expansion Port | 1 x M.2 3052/3042 B-key (4G/5G optional) + Nano-SIM slot 1 x Mini PCIe (PCIe + USB signals supported) 2× M.2 2280 M-key: 1× PCIe 4.0 X4/SATA, 1× PCIe 4.0 X4 1× M.2 2230 E-key (Wi-Fi/BT, PCIe + USB) Optional (not standard): 8× GPIO, 3× USB 2.0 |
| Expansion Slot | 1× PCIe X16 (X16 signal) + 2× PCIe X8 (X4 signal); Max card size: 312×21×112 mm(L×W×H) |
| Network | 3× Intel i210-AT + 1× Intel i219-LM GbE (with vPro & AMT) |
| Storage | 2× M.2 2280 M-key (1× PCIe 4.0 X4/SATA, 1× PCIe 4.0 X4) + 2× 2.5" SATA bays |
| Input Voltage | DC 12V input, 2-pin 7.62mm Phoenix connector, 500W max |
| Other function | Power-on startup, scheduled startup, Wake-on-LAN, PXE, watchdog (0–255) |
| Work Temp | 0°C to +50°C (commercial HDD) , -20°C to +60°C (industrial SSD) |
| Work Humidity | 5%–95% (non-condensing) |
| Certificates | CE, FCC Class A, RoHS |
| Size | 175 × 363 × 230 mm [Excluding wall mount bracket] |
| Weight | 9.36 kg [including graphics card and power supply] |
| Application | Industrial Automation, Healthcare, Logistics & Transportation, Warehousing, Machine Vision |

Five-View Drawing



Packing List

| Name | Quantity | Specifications |
|---------------------|----------|-----------------------------|
| Power Input | 1 | 2P 500W 12V-41.7A |
| PCIE Power Cable | 1 | 8P to 8P male-to-female |
| PSU bracket | 1 | A pair |
| Power cord | 1 | Available CN、US、UK、EU. etc. |
| Wall-mount brackets | 2 | Standard |

Optional Information

| | | | |
|-----------------|-------|--|-----------------------------------|
| Configuration 1 | | Intel Core i3-12300T / 13100T / 14100T | Standard Port, 3× expansion slots |
| Configuration 2 | I36-A | Intel Core i5-12500T / 13500T / 14500T | Standard Port, 3× expansion slots |
| Configuration 3 | | Intel Core i7-12700T / 13700T / 14700T | Standard Port, 3× expansion slots |

Recommended Independent Graphics Card

| GPU Model | Memory Spec | Memory Bandwidth | Deep Learning Computing Power (Tensor Core) | TDP |
|-----------|------------------|------------------|---|------|
| RTX 3050 | GDDR6 8GB | 224GB/s | 104 TOPS | 130W |
| RTX 3060 | GDDR6 8GB / 12GB | 240 / 360GB/s | 128 TOPS | 170W |
| RTX 4060 | GDDR6 8GB | 272GB/s | 272 TOPS | 115W |
| RTX 4070 | GDDR6X 12GB | 504GB/s | 466 TOPS | 200W |
| RTX 5050 | GDDR6 8GB | 320GB/s | 421 TOPS | 130W |
| RTX 5060 | GDDR7 8GB | 448GB/s | 614 TOPS | 145W |
| RTX 5070 | GDDR7 12GB | 672GB/s | 819 TOPS | 200W |