

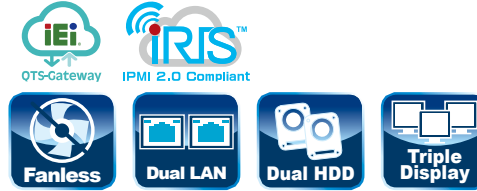
ECN-380-QM87

- Intel® Core™ i5/Celeron® CPU
- Triple Video Outputs



Features

- Intel® Core™ i5/Celeron® CPU
 - » Intel® Core™ i5-4400E 2.7 GHz/Celeron® 2000E 2.2 GHz
- Triple video outputs
 - » 2 x HDMI + VGA
- Two 2.5" SATA 6Gb/s HDD/SSD drive bays



Specifications

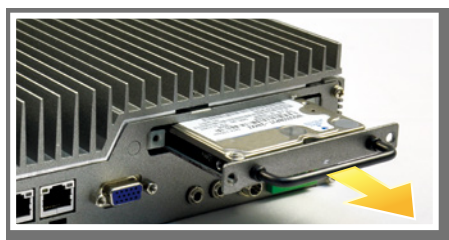
| Model Name | | ECN-380-QM87 |
|----------------|-------------------------|---|
| Chassis | Color | Silver |
| | Dimensions (WxDxH) (mm) | 265 x 134 x 56.7 |
| | System Fan | Fanless |
| | Chassis Construction | Aluminum alloy with heavy duty metal |
| Motherboard | Motherboard Model | NANO-QM871-i1 |
| | SBC Size (mm) | EPIC, 165 x 115 |
| | CPU | Intel® mobile Core™ i5-4400E with AMT 9.0 support (up to 2.7GHz, dual-core, 3MB cache, TDP=37W) Intel® mobile Celeron® 2000E (up to 2.2GHz, dual-core, 2MB cache, TDP=37W) |
| | Chipset | Intel® QM87 |
| | System Memory | One 204-pin 4GB DDR3 SO-DIMM pre-installed (system max: 8GB) |
| IPMI | iRIS Solution | 1 x iRIS-1010 (optional) |
| Storage | Hard Drive | 2 x 2.5" SATA 6Gb/s HDD/SSD drive bay |
| | | |
| I/O Interfaces | USB 3.0 | 2 |
| | USB 2.0 | 4 |
| | Ethernet | 2 x RJ-45 LAN1: Intel® I217LM PHY with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller |
| | COM Port | 2 x RS-232 |
| | Display | 2 x HDMI, 1 x VGA |
| | Resolution | VGA: Up to 1920 x 1200@60Hz HDMI: Up to 2500 x 1600@60Hz |
| | Audio | 1 x Line-out, 1 x Mic-in |
| | Wireless | 1 x 802.11b/g/n (optional) |
| Expansions | PCIe Mini | 1 x Full-size PCIe Mini (supports mSATA, SATA 6Gb/s signal only)* 1 x Half-size PCIe Mini (only for iRIS-1010) |
| | | |
| Power | Power Input | DC jack: 12 V DC 3-pin terminal: 9 V~36 V DC |
| | Power Consumption | 12 V@4.6 A (Intel® mobile Core™ i5-4400E with 4GB 1333MHz DDR3 memory) |
| Reliability | Mounting | Wall mount, VESA 100 |
| | Operating Temperature | -20°C ~60°C with air flow (SSD), 10% ~ 95%, non-condensing |
| | Storage Temperature | -30°C ~70°C with air flow (SSD), 10% ~ 95%, non-condensing |
| | Operating Shock | Half-sine wave shock 5G, 11ms, 3 shocks per axis |
| | Operating Vibration | MIL-STD-810F 514.5C-2 (with SSD) |
| | Weight (Net/Gross) | 2.4 kg/4.2 kg |

* ECN-380-QM87i-WD-QGW without Full-size PCIe Mini Card slot expansion

Removable 2.5" SATA HDD/SSD Bay



The ECN-380 series is equipped with two 2.5" SATA HDD bays. One of the HDD bays is removable for easy installation.



Triple Display Outputs

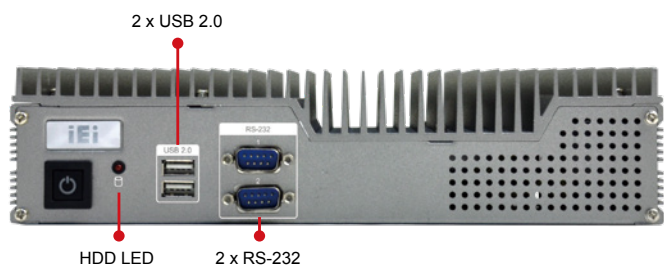


The ECN-380-QM87 contains two HDMI and one VGA. All of the display outputs support high resolution video, which can be applied widely in multi-monitor applications.

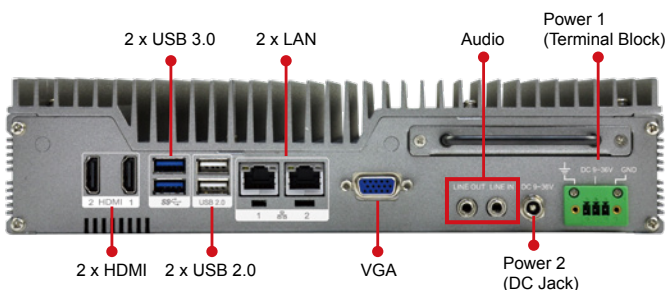


Fully Integrated I/O

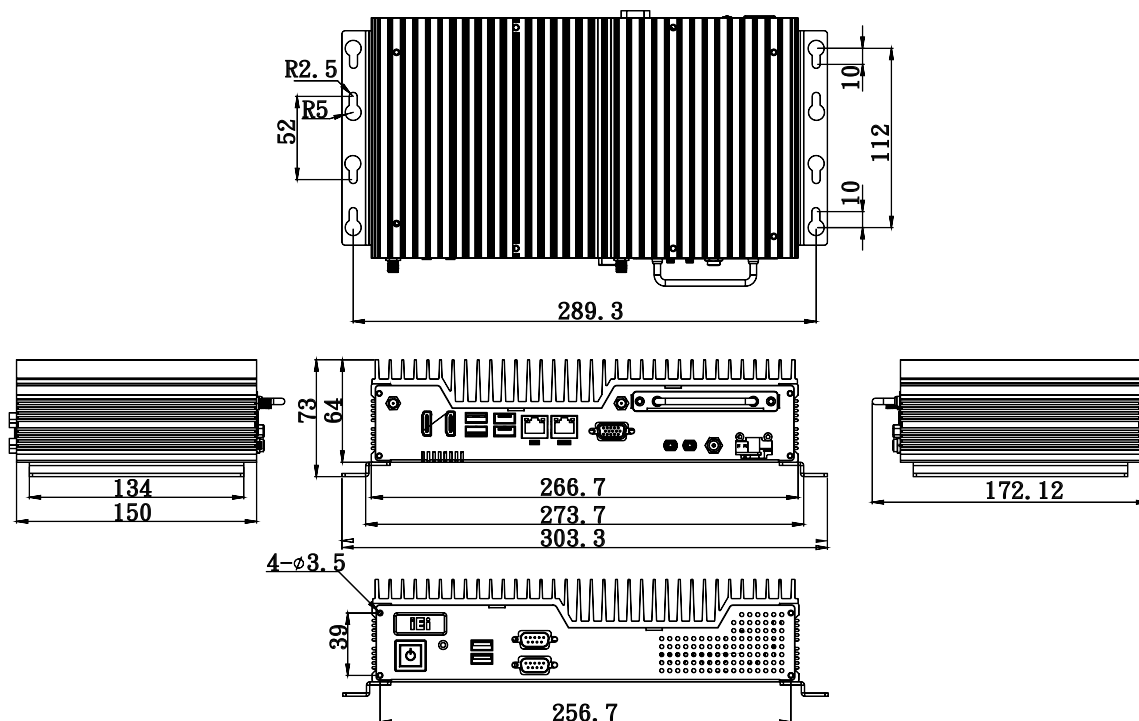
●ECN-380-QM87 Front I/O



●ECN-380-QM87 Rear I/O



Dimensions (Unit: mm)



Ordering Information

| Part No. | Description |
|----------------------------|--|
| ECN-380-QM87I-I5/4G-R11 | Fanless embedded system with Intel® Core™ i5-4400E 2.7 GHz CPU, TDP 37W, 2 x HDMI, 1 x VGA, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, iRIS-1010, 12 V DC, RoHS |
| ECN-380-QM87I-C/4G-R11 | Fanless embedded system with Intel® Celeron® 2000E 2.2 GHz CPU, TDP 37W, 2 x HDMI, 1 x VGA, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, iRIS-1010, 12 V DC, RoHS |
| ECN-380-QM87I-I5/WD/4G-R11 | Fanless embedded system with Intel® Core™ i5-4400E 2.7 GHz CPU, TDP 37W, 2 x HDMI, 1 x VGA, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, iRIS-1010, 9 V~36V DC, RoHS |
| ECN-380-QM87I-C/WD/4G-R11 | Fanless embedded system with Intel® Celeron® 2000E 2.2 GHz CPU, TDP 37W, 2 x HDMI, 1 x VGA, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, iRIS-1010, 9 V~36 V DC, RoHS |
| ECN-380-QM87I-WD-QGW-R10 | Fanless embedded system with Intel® Core™ i5-4400E 2.7 GHz, TDP 37W, 2 x HDMI, 1 x VGA, 2 x 2.5" SATA HDD bay, 8GB memory pre-installed, iRIS-1010, with QTS-gateway, 9 V~36V DC, RoHS |

Options

| Part No. | Description |
|-------------------------|---|
| iRIS-1010-R10 | IPMI 2.0 adapter card with AST1010 BMC chip (W/O KVM over IP function) for PCIe Mini socket interface |
| ECN380VK-100-R10 | VESA 100 mount kit for ECN-380 |
| ECN-380-QM87I-WES7E-R10 | OS image with Windows Embedded Standard 7 E for ECN-380-QM87I Series, WES7E license label, with DVD ROM |

Packing List

| | |
|--|------------------------|
| 1 x Power cord | 1 x Chassis screw set |
| 1 x Power adapter (with PSE/ErP certified) | 1 x Wall mount bracket |