

# ECN-380-QM87

Fanless Embedded System with Intel® Solution

## 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

| I/O Interface               |   |
|-----------------------------|---|
| I/O Ports                   | 2 x USB 3.0   |
|                             | 4 x USB 2.0   |
|                             | Ethernet:   |
|                             | 2 x RJ-45   |
|                             | LAN1: Intel® I217LM PHY with Intel® AMT 9.0 support                   |
|                             | LAN2: Intel® I210-AT PCIe controller                                  |
|                             | 2 x RS-232  |
|                             | 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)  |
| Expansion Slots             |   |
| Expansion Slots             | PCIe Mini:  |
|                             | 1 x Full-size PCIe Mini (support mSATA, SATA 6Gb/s signal only)       |
|                             | 1 x Half-size PCIe Mini (only for iRIS-1010)                          |
| System                      |   |
| Cooling method / System Fan | Fanless   |
| Drive Bays                  | 2 x 2.5" SATA HDD/SSD bay   |
| Physical Characteristics    |   |
| Construction                | 12 V@4.6 A(Intel® mobile Core™ i5-4400E with 4GB 1333MHz DDR3 memory) |
| Color                       |   |
| Color                       | Silver  |
| Dimensions                  |   |
| Dimensions                  | 265 x 134 x 56.7  |

|                       |                                |
|-----------------------|--------------------------------|
| Weight                |                                |
| Weight                | 2.4 kg/4.2 kg                  |
| Environment           |                                |
| Operating Temperature | -10°C~60°C with air flow (SSD) |
| Humidity              | 5% ~ 95%, non-condensing       |

## Ordering Information

|                            |  |
|----------------------------|--|
| ECN-380-QM87i-i5/WD/4G-R11 | 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, 4GB memory pre-installed, iRIS-1010, 9 V~36V DC, RoHS  |
| ECN-380-QM87i-i5/4G-R11    | 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, 4GB memory pre-installed, iRIS-1010, 12 V DC, RoHS     |
| ECN-380-QM87i-C/WD/4G-R11  | Fanless embedded system with Intel® Celeron® 2000E 2.2 GHz, 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-C/4G-R11     | Fanless embedded system with Intel® Celeron® 2000E 2.2 GHz, 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     |