

# ECN-380-QM87 Fanless Embedded Computer System

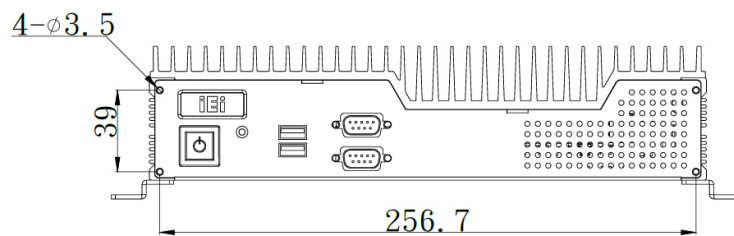
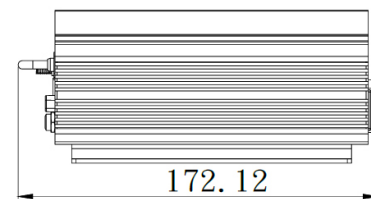
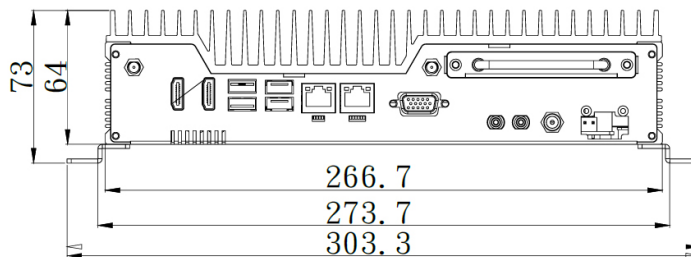
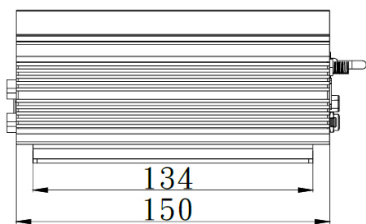
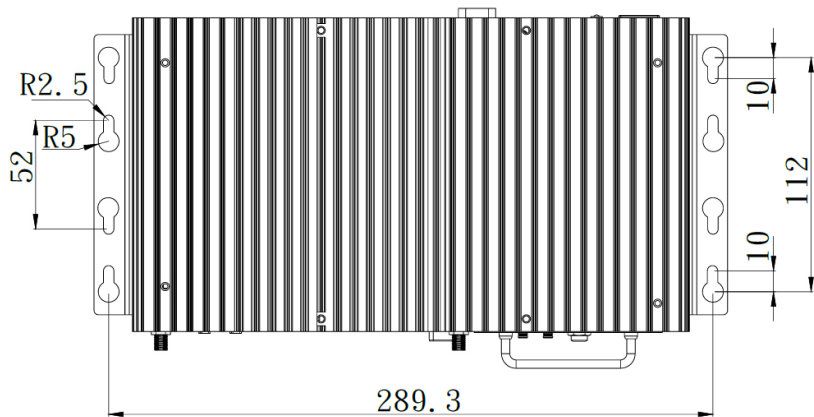
## Specifications

<b>Item No.</b>	<b>ECN-380-QM87</b>
<b>Chassis Construction</b>	Aluminum alloys with heavy duty metal
<b>Color</b>	Silver
<b>Motherboard Model</b>	NANO-QM871i
<b>CPU</b>	Intel® Core™ i5-4400E 2.7 GHz Intel® Celeron® 2000E 2.2 GHz
<b>System Chipset</b>	Intel® QM87
<b>System Memory</b>	1 x 204-pin DDR3 SO-DIMM Memory, 4GB pre-installed (Max. 8GB)
<b>Serial Port</b>	2 x RS-232 (DB-9)
<b>USB</b>	2 x USB 3.0 4 x USB 2.0
<b>Ethernet</b>	2 x RJ-45 Intel® I210 PCIe GbE controller Intel® Clarkvill-V PHY with Intel® AMT 9.0 support
<b>VGA</b>	1 x VGA, 2 x HDMI
<b>Resolution</b>	VGA: Up to 1920 x 1200@60Hz HDMI: Up to 2500 x 1600@60Hz
<b>Audio</b>	1 x Line-out, 1 x Mic-in
<b>Expansions</b>	1 x Full-size PCIe Mini (for Wi-Fi) 1 x Full-size PCIe Mini (for IPMI)
<b>Wireless</b>	802.11b/g/n 2T2R Wireless Module (Optional)
<b>Storage</b>	2 x 2.5" SATA 6Gb/s HDD/SSD drive bay
<b>System Cooling</b>	Fanless
<b>Power Input</b>	DC Jack: 12 V DC 3-pin Terminal: 9 V ~ 36 V DC
<b>Power Consumption</b>	12 V@4.6 A (Intel® mobile Core™ Core i5-4400E with 4GB 1333MHz DDR3 memory)
<b>Operation Temperature</b>	-4°F ~ 140°F (-20°C ~ 60°C) with air flow (SSD), 5% ~ 95%, non-condensin
<b>Operating Shock</b>	Half-sine wave shock 5G, 11ms, 3 shocks per axis
<b>Operating Vibration</b>	MIL-STD-810F 514.5C-2 (with SSD)
<b>Mounting</b>	Wall Mount, VESA 100 (Optional)
<b>Net Weight</b>	5.28 lbs (2.4 kg)
<b>Dimemnsion(WxDxH)</b>	10.4" x 5.28" x 2.23" (265 x 134 x 56.7mm)



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## Mechanical Drawing



**Dimensions**  
(Unit: mm)