

ECN-780-Q67

Embedded System with 2nd Gen Intel® Core™ i7/i5/i3 Desktop Processors



Features

- ◆ 2nd Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® desktop processors
- ◆ Intel® HD graphics supports H.264/AVC-MPEG2/VC1, DirectX 10.1 and OpenGL 3.0
- ◆ On-board 2GB DDR3 memory and one DDR3 SO-DIMM slot (system max. 10GB)
- ◆ Dual Gigabit Ethernet with Intel® AMT 7.0 support
- ◆ Dual display output supported by VGA/DVI/HDMI
- ◆ Optional 1T1R 2.4GHz 802.11b/g/n Wi-Fi
- ◆ Easy to install SATA hard drive
- ◆ USB 3.0 ports provide super speed data transfer



Specifications

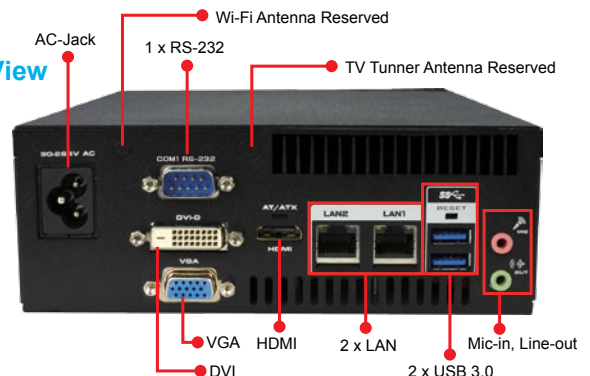
Model Name	ECN-780-Q67	
Chassis	Color	Black
	Dimensions (WxDxH)	230 x 173 x 60 (mm)
	System Fan	1 x 80 mm
	Chassis Construction	SECC
Motherboard	CPU	2nd Generation Intel® -Core™ i5-2xxT, dual-core (above 2.7GHz), 35W -Core™ i3-2xxT, dual-core (above 2.5GHz), 35W -Pentium® G6xxT, dual-core (above 2.2GHz), 35W
	Chipset	Intel® Q67
	System Memory	On-board DDR3 2GB memory 1 x 204-pin DDR3 SDRAM SO-DIMM (System Max: 10GB)
Storage	Hard Drive	1 x 2.5" SATA HDD Bay
	mSATA	Optional
I/O interfaces	USB 3.0	2
	USB 2.0	2
	Ethernet	2 x RJ-45 LAN1: Intel® 82579 PHY Ethernet with Intel® AMT 7.0 support LAN2: Intel® 82583V Ethernet
	RS-232	2 x DB-9
	RS-422/485	1 x DB-9
	Display	1 x HDMI, 1 x DVI-D, 1 x VGA
	Resolution	VGA: Up to 2048 x 1536 @ 75Hz HDMI: Up to 1920 x 1200 @ 60Hz DVI-D: Up to 1920 x 1080 @ 60Hz
	Audio	1 x Line-out, 1 x Mic-in
Expansions	Wireless	1 x 802.11b/g/n (optional)
	PCIe Mini	2 x Full size (reserved for Wi-Fi and TV-Tuner)
Power	Power Input	100~ 240 AC input
	Power Consumption	19W@3.5A (Intel® Core™ i7-2600S with 1333MHz 4GB DDR3 memory)
Reliability	Mounting	Wall mount
	Operating	-20°C ~ 50°C with air flow (SSD), 5% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 3G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-1with SATA HDD, MIL-STD-810F 514.5C-2 with CompactFlash® / SSD
	Weight (Net/Gross)	3.1 Kg/4.3 Kg
	Safety & EMC	CE/FCC
OS	Supported OS	Microsoft® WES7E, Microsoft® Windows® XP, Embedded, Linux

Fully Integrated I/O

• Front View



• Rear View



Easily accessible hard disk drive

The hard disk drive can be accessed easily by removing screws from the HDD bracket.



In-chassis power adapter

The ECN-780 has a built-in power adapter module to prevent disorder situations and inconveniences caused by an external power adapter.

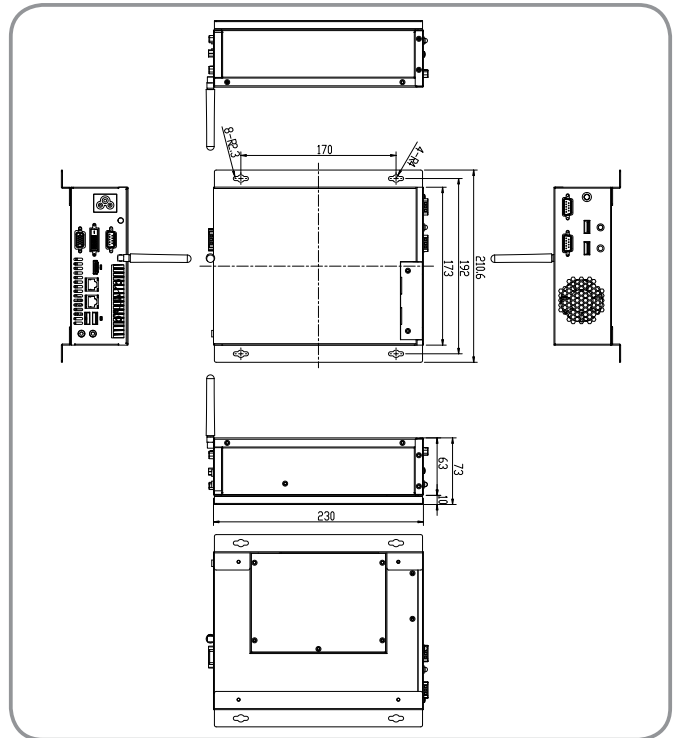


Dual display by VGA/DVI/HDMI

- The ECN-780 has three types of display interfaces - VGA, DVI and HDMI, which support dual display and high resolution
- VGA supports resolutions up to 2048x1536@75Hz
- HDMI supports resolutions up to 1920x1200@60Hz
- DVI supports resolutions up to 1920x1080@60Hz



Dimensions (Unit: mm)



Packing List

Item	Part No.	Quantity	Description
Utility CD		1	Drivers and user manual
One Key Recovery CD	7B000-000724-RS	1	
Power cord	32702-000401-100-RS	1	1500 mm, European Standard
Wi-Fi antenna (for Wi-Fi module only)	32505-000900-100-RS	1	External Antenna
Mounting brackets		2	
Mounting bracket screws	44015-030041-RS	4	Mounting brackets screw
Power cord convert cable	32000-089400-RS	1	Covert normal type cord to triangle type cord cable
Thermal pad	34100-000197-RS	1	Thermal pad, 27.5 x 27.5 x 1.0mm, Silicone, K=6, Color : Reddish gray, RoHS

Ordering Information

Part No.	Description
ECN-780-Q67-i5-R10	Embedded system, Core™ i5 Dual Core 2xxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, supports Intel® AMT 7.0, 100~240VAC Input, built-in 90W adapter, black, R10
ECN-780W-Q67-i5-R10	Embedded system, Core™ i5 Dual Core 2xxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, built-in 802.11b/g/n wireless, supports Intel® AMT 7.0, 100~240VAC Input, built-in 90W adapter, black, R10
ECN-780-Q67-i3-R10	Embedded system, Core™ i3 Dual Core 2xxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, 100~240VAC Input, built-in 90W adapter, black, R10
ECN-780W-Q67-i3-R10	Embedded system, Core™ i3 Dual Core 2xxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, built-in 802.11b/g/n wireless, 100~240VAC Input, built-in 90W adapter, black, R10
ECN-780-Q67-P-R10	Embedded system, Pentium® Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, 100~240VAC Input, built-in 90W adapter, black, R10
ECN-780W-Q67-P-R10	Embedded system, Pentium® Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 on-board memory, dual display multimedia BOX, Dual GbE LAN, built-in 802.11b/g/n wireless, 100~240VAC Input, built-in 90W adapter, black, R10
Memory Selection	DDR3-SO-1333-2GB SO-DIMM DDR3 1333MHz 2GB
	DDR3-SO-1333-4GB SO-DIMM DDR3 1333MHz 4GB