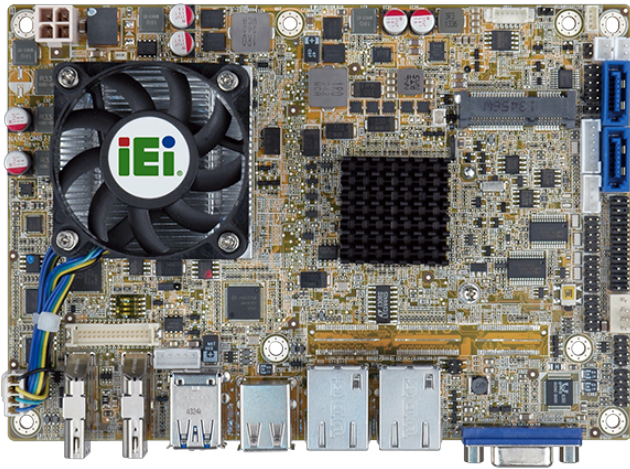


# NANO-QM871-i1

EPIC SBC supports 4th Generation Intel® Mobile Processor



## Features

- » 4th generation Intel® mobile Core™ i7/i5/i3 or Celeron® on-board processor
- » IEI jumper-less function
- » Triple independent display via dual HDMI™+VGA, dual HDMI™+LVDS or HDMI™+LVDS+VGA
- » DDR3/DDR3L 1600/1333 MHz SDRAM support up to 8 GB
- » COM, USB 3.0, SATA 6Gb/s and audio support
- » Intel® GbE LAN with Intel® AMT 9.0 support
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- » Support IPMI 2.0 with iRIS-1010 module

## Specifications

System	
CPU	Intel® mobile Core™ i7-4700EQ on-board processor with Intel® AMT 9.0 support (2.4GHz, quad-core, 6MB cache, TDP=47W)
	Intel® mobile Core™ i5-4400E on-board processor with Intel® AMT 9.0 support (2.7GHz, dual-core, 3MB cache, TDP=37W)
	Intel® mobile Core™ i3-4100E on-board processor (2.4GHz, dual-core, 3MB cache, TDP=37W)
	Intel® mobile Celeron® 2000E on-board processor (2.2GHz, dual-core, 2MB cache, TDP=37W)
	Intel® mobile Core™ i5-4402E on-board processor with Intel® AMT 9.0 support (1.6GHz, dual-core, 3MB cache, TDP=25W)
	Intel® mobile Core™ i3-4102E on-board processor (1.6GHz, dual-core, 3MB cache, TDP=25W)
	Intel® mobile Celeron® 2002E on-board processor (1.5GHz, dual-core, 2MB cache, TDP=25W)
Chipset	Intel® QM87
Memory	One 204-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMM
Memory Max.	8GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	115 X 165
Net Weight	350g
Storage	
Storage	2 x SATA :6Gb/s with 5V SATA power connector(RAID0,1 supported)
I/O Interface	
Display Output	1 x VGA 2 x HDMI™ :up to 2500x1600@60Hz 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)
Ethernet	2 x LAN :LAN1: Intel® I217-LM PHY with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller
Audio	Description: Realtek ALC662 HD Audio codec 1 x Front Audio :2x5 pin
I/O Interface	2 x Internal RS-232 :2x5 pin, p=2.0 1 x Internal RS-422/485 :1x4 pin, p=2.0 2 x External USB 2.0

	2 x External USB 3.2 Gen1x1
	2 x Internal USB 2.0 :2x4 pin, p=2.0
	1 x PS/2 :1x6 pin
Expansion	1 x PCIe mini Card Slot :Full-size(support mSATA)
	1 x PCIe/104 :Type 2 slot (optional)
<b>Other Features</b>	
iRIS	1 X iRIS-1010 slot
TPM	2x10 pin
<b>Power</b>	
Power Consumption	12V@4.78A (Intel® Core™ i7-4770EQ 2.4GHz CPU with 4 GB 1333 MHz DDR3 memory)
Power Supply	12V only DC input
	1 x Internal power connector (2x2 pin)
	Support AT/ATX mode
<b>Environment</b>	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

NANO-QM871-i1-i7-R10	EPIC SBC supports Intel® 22nm 4th Generation Mobile Core™ i7-4700EQ processor (47W), with VGA/Dual HDMI™/LVDS, Dual PCIe GbE, USB 3.0, PCIe Mini, PCIe/104, SATA 6Gb/s, Audio, iRIS-1010 and RoHS
NANO-QM871-i1-i5-R10	EPIC SBC supports Intel® 22nm 4th Generation Mobile Core™ i5-4400E processor(37W) with VGA/Dual HDMI™/LVDS, Dual PCIe GbE, USB 3.0, PCIe Mini, PCIe/104, SATA 6Gb/s, Audio, iRIS-1010 and RoHS
NANO-QM871-i1-i3-R10	EPIC SBC supports Intel® 22nm 4th Generation Mobile Core™ i3-4100E processor(37W) with VGA/Dual HDMI™/LVDS, Dual PCIe GbE, USB 3.0, PCIe Mini, PCIe/104, SATA 6Gb/s, Audio, iRIS-1010 and RoHS
NANO-QM871-i1-C-R10	EPIC SBC supports Intel® 22nm 4th Generation Mobile Celeron™ 2000E processor (37W) with VGA/Dual HDMI™/LVDS, Dual PCIe GbE, USB 3.0, PCIe Mini, PCIe/104, SATA 6Gb/s, Audio, iRIS-1010 and RoHS

## Packing List

1 x NANO-QM871-i1 single board computer	1 x Audio cable
1 x CPU cooler	1 x Power cable
2 x RS-232 cable	1 x QIG (Quick Installation Guide)
2 x SATA with power cable kit	