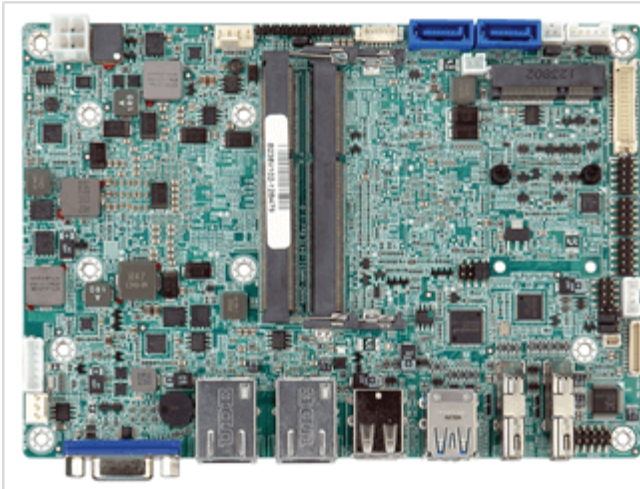


# NANO-HM651

EPIC SBC with on-board Intel® Celeron® Dual Core 847E 1.1GHz CPU



## Features

- » EPIC SBC with on-board mobile 32nm Intel® Celeron® dual-core 847E 1.1GHz processor
- » Dual HDMI™/VGA with dual display support
- » Dual-channel 204-pin 1333/1066 MHz DDR3 SO-DIMMs support up to 8 GB
- » Easy assembly heat spreader for thermal management
- » Supports three COM, four USB 3.0, two SATA 6Gb/s and audio
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

CPU Cooler	
CPU Cooler	Heat Spreader
Display	
Display	Dual display supported
	1 x VGA
	2 x HDMI™
	1 x 24-bit dual-channel LVDS
Environment	
Humidity	5% ~ 95% non-condensing
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Expansion Slots	
Expansion Slots	1 x PCIe Mini card slot with mSATA support
I/O Interface	
Audio	Realtek ALC662 HD Audio codec
Digital I/O	8-bit digital I/O (4-bit input / 4-bit output)
Ethernet	Dual LAN: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
I/O Interface	2 x RS-232 1 x RS-422/485 2 x USB 3.0 4 x USB 2.0 1 x 4-pin wafer for SMBus 1 x 4-pin wafer for I <sup>2</sup> C 1 x 6-pin wafer for PS/2 KB/MS 1 x TPM connector (2x10 pin)
I/O Interface	
I/O Interface	2 x USB 3.0 2 x RS-232 1 x RS-422/485 4 x USB 2.0
Option	

iRIS	N/A
<b>Power</b>	
Power consumption	12V@3.01A (Intel® Celeron® 847E 1.1GHz with 1333MHz 4GB memory)
<b>Storage</b>	
Storage	2 x SATA 6Gb/s
<b>System</b>	
Chipset	Intel® HM65
CPU	Intel® Celeron® 847E 1.1GHz
CPU Socket	On Board
Memory Max.	2 x 204-pin 1066/1333MHz dual-channel DDR3 SO-DIMMs (system max. 16GB)
<b>Watchdog Timer</b>	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

## Ordering Information

NANO-HM651-847E-R10	EPIC SBC supports Intel Celeron dual core 847E 1.1GHz CPU, Dual DisplayPort/ VGA/ LVDS, Dual GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, Audio and RoHS
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## Packing List

1 x NANO-HM651 single board computer with heat spreader	1 x Audio cable
1 x Power cable	1 x Mini jumper pack
1 x SATA with power cable kit	2 x Plastic shaft for securing half-size PCIe Mini card
1 x QIG (Quick Installation Guide)	2 x RS-232 cable