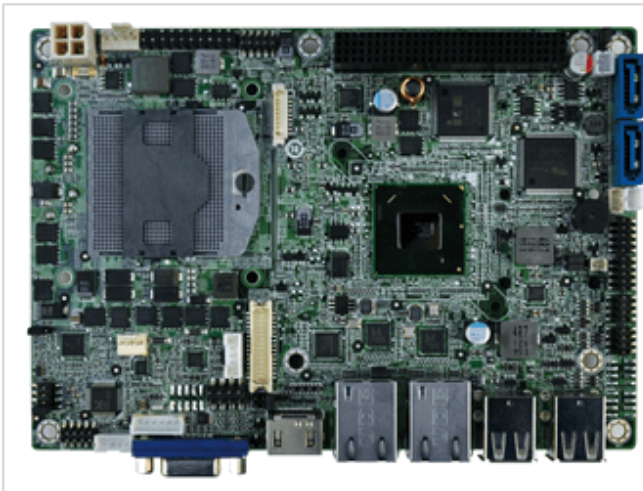


# NANO-HM650

EPIC SBC Supports Socket G2 for 2nd Generation Intel® Core™ i7/i5/i3 and Celeron® CPU



## Features

- » EPIC SBC with Socket G2 for Intel® 2nd generation Core™ i7/i5/i3 and Celeron® processor
- » VGA/24-bit dual-channel LVDS/HDMI™ for dual display support
- » 1066/1333MHz DDR3 SDRAM supported (system max. 8 GB)
- » Supports three COM, eight USB 2.0, two SATA 6Gb/s, PCI-104 and audio
- » TPM V1.2 hardware security function supported by TPM module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

Display	
Display	Dual display supported
	VGA (up to 2048x1536@75Hz)
	HDMI™ (up to 1920x1200@60Hz)
	18/24-bit dual-channel LVDS (up to 1920x1200@60Hz)
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-10°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x Full-size PCIe Mini card slot
	1 x PCI-104 slot (PCI signal)
Form factor	
Form factor	EPIC
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	
I/O Interface	4 x USB 2.0
	4 x Internal USB 2.0
	2 x Internal RS-232
	1 x Internal RS-422/485
Power	
Power consumption	12V@4.85A (2.6GHz Intel® Core i5-2540M with 1333 MHz 4 GB DDR3 memory)
Storage	
Storage	2 x SATA 6Gb/s with 5V SATA power connector
System	
Chipset	Intel® HM65
CPU Socket	Socket G2 for 2nd generation Intel® Core™ i7/i5/i3 and Celeron® mobile processor
Memory Max.	One 204-pin 1066/1333 MHz DDR3 SDRAM SO-DIMM slot supports up to 8 GB
Watchdog Timer	
Watchdog Timer	Software programmable supports 1~255 sec. system reset

## Ordering Information

NANO-HM650-R11	EPIC SBC supports Socket G2 supports Intel® mobile Core™ i7/i5/i3 CPU, VGA/HDMI™, Dual PCIe GbE, USB2.0, Mini PCIe, SATAIII, PCI-104 and Audio, RoHS
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## Packing List

1 x NANO-HM650 single board computer	1 x Audio cable
1 x Mini jumper pack	1 x Power cable
2 x RS-232 cable	1 x QIG (Quick Installation Guide)
2 x SATA with power cable	