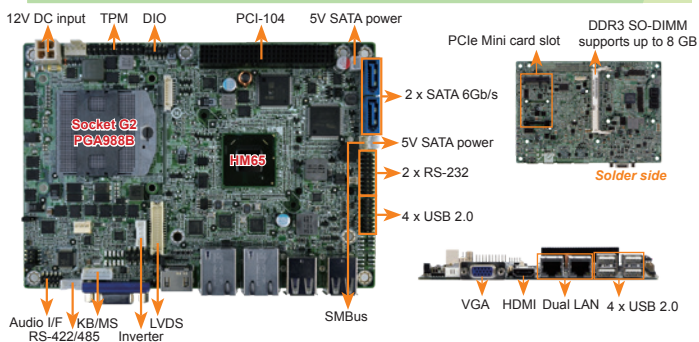


NANO-HM650

EPIC SBC Supports Socket G2 for 2nd Generation Intel® Core™ i7/i5/i3 and Celeron® CPU, VGA/HDMI, Dual PCIe GbE, USB 2.0, PCI-104, SATA 6Gb/s and Audio



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

- ◆ CPU
Socket G2 for 2nd generation Intel® Core™ i7/i5/i3 and Celeron® mobile processor
- ◆ Chipset
Intel® HM65
- ◆ BIOS
UEFI BIOS
- ◆ Memory
One 204-pin 1333/1066 MHz DDR3 SDRAM SO-DIMM slot supports up to 8 GB
- ◆ Display Output
Dual display supported
1 x VGA (up to 2048x1536@75Hz)
1 x 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz)
1 x HDMI (up to 1920x1200@60Hz)
- ◆ Ethernet
Dual LAN: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
- ◆ External I/O Interface
4 x USB 2.0
- ◆ Internal I/O Interface
1 x KB/MS (1x6 pin)
1 x RS-422/485 (1x4 pin, P=2.0)
2 x RS-232 (2x5 pin, P=2.0)
2 x SATA 6Gb/s with 5V SATA power connector (RAID 0, 1 supported)
8 x USB 2.0 (2x4 pin, P=2.0)
- ◆ Programmable GPIO
8-bit digital I/O (2x5 pin)
- ◆ Audio
Realtek ALC662 HD Audio codec
1 x Front audio (2x5 pin)
- ◆ Expansion
1 x Full-size PCIe Mini card slot
1 x PCI-104 slot (PCI signal)
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Fan Connector
1 x CPU smart fan (1x4 pin)
1 x System smart fan (1x3 pin)
- ◆ Power Supply
1 x Internal power connector (2x2 pin)
12V only DC input, support AT/ATX mode
- ◆ Power Consumption
12V@4.85A (2.6GHz Intel® Core i5-2540M with 1333 MHz 4 GB DDR3 memory)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Storage Temperature
-20°C ~ 70°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
115 mm x 165 mm
- ◆ Weight
GW: 850g / NW: 350g
- ◆ CE/FCC compliant

Packing List

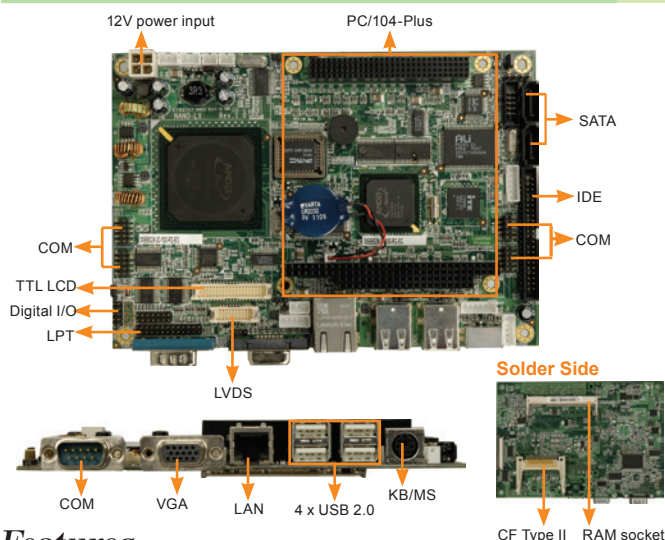
1 x NANO-HM650 single board computer	
1 x Audio cable	2 x SATA with power cable
1 x Power cable	1 x Mini jumper pack
2 x RS-232 cable	1 x QIG

Ordering Information

Part No.	Description
NANO-HM650-R11	EPIC SBC supports Socket G2 for Intel® 2nd generation Core™ i7/i5/i3 and Celeron® CPU, VGA/HDMI, USB 2.0, dual PCIe GbE, PCI-104, SATA 6Gb/s and Audio
32000-023800-RS	PS/2 KB/MS cable, 135mm/110mm, P=2.0
32001-008600-200-RS	Dual-port USB cable, 210mm, P=2.0
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0
CF-989A-RS-R12	CPU cooler for mobile socket-G up to 55W processor, copper, 60mm x 60mm x 27.6mm

NANO-LX

EPIC SBC with AMD LX800 CPU, Audio, VGA/LVDS, SATA and RAID 0, 1, JBOD Function Support



Features

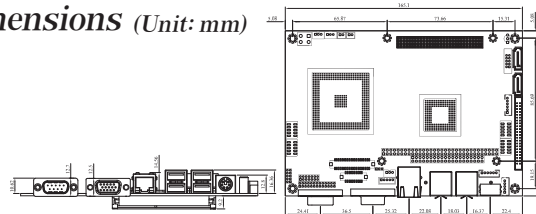
- EPIC form factor AMD LX800 processor embedded board with RoHS compliant
- DDR 400 MHz SO-DIMM SDRAM up to 1 GB
- VGA, 24-bit TTL, and 18-bit single-channel LVDS
- SATA RAID 0, 1, JBOD function support
- Complete I/O support with two SATA, IDE, PC/104-Plus and four USB 2.0
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery



Specifications

- ◆ CPU
AMD Geode™ LX800 (500 MHz) processor
- ◆ Chipset: AMD Geode LX800 + AMD CS5536
- ◆ BIOS: AWARD
- ◆ System Memory
One 200-pin 400/333 MHz DDR SDRAM SO-DIMM supports up to 1GB
- ◆ Ethernet
LAN: 10/100Mbps Realtek RTL8100C
- ◆ External I/O Interface
1 x PS/2 KB/MS
1 x RS-232
4 x USB 2.0
- ◆ Internal I/O Interface
1 x CF Type II
1 x IDE
1 x LPT
1 x RS-232/422/485
4 x USB 2.0
2 x SATA (VIA VT6421A RAID 0, 1 function support)
- ◆ Expansion
1 x PC/104 slot (ISA)
1 x PCI-104 slot (PCI)
- ◆ Audio: Realtek ALC203 with AC'97 codec
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Infrared Interface: 1 x Infrared interface (1x5 pin)
- ◆ Display Output
1 x VGA (up to 1920x1440@60Hz)
1 x 24-bit single-channel TTL (up to 1600x1200@60Hz)
1 x 18-bit single-channel LVDS (up to 1280x1024@60Hz)
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: 12V only DC input
1 x Internal power connector (2x2 pin) support AT/ATX mode
- ◆ Power Consumption: 12V@0.92A (AMD LX800 with 400 MHz 256MB DDR RAM)
- ◆ Operating Temperature: 0°C ~ 60°C
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 115 mm x 165 mm
- ◆ Weight: GW: 950g / NW: 350g
- ◆ CE/FCC compliant

Dimensions (Unit: mm)



Packing List

1 x NANO-LX single board computer	1 x SATA power cable
1 x Audio cable	2 x RS-232 port cable
1 x IDE flat cable 44p/44p	2 x SATA cable
1 x KB/MS Y cable	1 x Mini jumper pack
1 x Power cable	1 x QIG

Ordering Information

Part No.	Description
NANO-LX-800-R12	EPIC SBC, AMD LX800 500 MHz processor, VGA/LVDS/TTL, LAN, SATA and Audio
32102-022100-100-RS	ATX power cable, 300mm
32200-015100-RS	LPT cable, 280mm, P=2.0
19800-004300-100-RS	RS-232 & RS-422/485 cable with bracket, 14-pin to two DB-9, 250mm, P=2.0