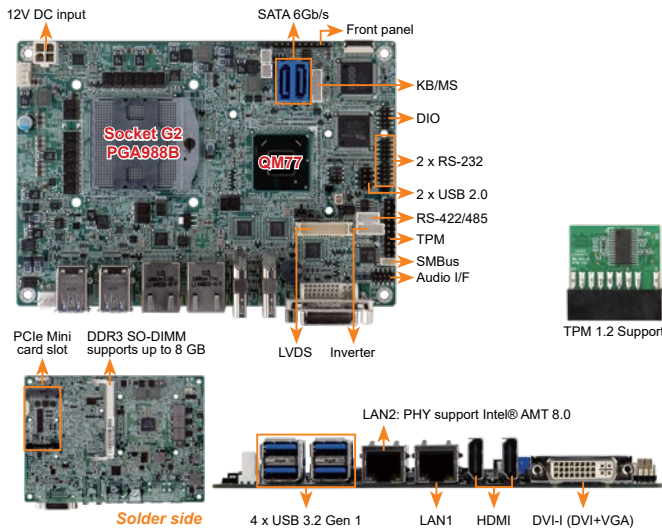


# NANO-QM770

EPIC SBC Supports Socket G2 for Intel® 22nm Mobile CPU, DVI-I/Dual HDMI/LVDS, Dual PCIe GbE, USB 3.2 Gen 1 (5Gb/s), PCIe Mini, SATA 6Gb/s and Audio



## Features

- EPIC SBC with Socket G2 for Intel® 22nm mobile processor
- Triple independent display supports with dual HDMI/DVI/dual HDMI+LVDS (HDMI V1.3a compliant)
- 1066/1333/1600 MHz DDR3 SDRAM supports up to 8 GB
- Supports three COM, four USB 3.2 Gen 1 (5Gb/s), two SATA 6Gb/s and audio
- Intel® GbE LAN with Intel® AMT 8.0 supported

## Specifications

- ♦ CPU: Socket G2 for 3rd generation 22nm Intel® mobile processor
- ♦ Chipset: Intel® QM77
- ♦ BIOS: UEFI BIOS
- ♦ Memory: One 204-pin 1600/1333 MHz single-channel DDR3 & DDR3L SDRAM unbuffered SO-DIMM slot supports up to 8 GB
- ♦ Graphics: Intel® HD Graphics Gen 7 with 12 execution units DirectX 11, OpenGL 3.1, OpenCL 1.1
- ♦ Display Output: 1 x DVI-I (up to 2048x1536@75Hz), 1 x 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz), 2 x HDMI (up to 1920x1200@60Hz)
- ♦ Ethernet: LAN1: Intel® 82583V PCIe controller, LAN2: Intel® 82579 PHY with Intel® AMT 8.0 support
- ♦ External I/O Interface: 4 x USB 3.2 Gen 1 (5Gb/s)
- ♦ Internal I/O Interface: 1 x KB/MS (1x6 pin), 2 x USB 2.0 (2x4 pin, P=2.54), 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)
- ♦ TPM: 1 x TPM (2x10 pin)
- ♦ Audio: Realtek ALC662 HD codec, 1 x Front audio (2x5 pin)
- ♦ Front Panel: 1 x Front panel (1x10 pin)
- ♦ Expansion: 1 x Full-size PCIe Mini card slot (supports mSATA)
- ♦ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ♦ Programmable I/O: 8-bit digital I/O
- ♦ Fan Connector: 1 x CPU smart fan (1x4 pin), 1 x System smart fan (1x3 pin)
- ♦ Power Supply: 12V only DC input, 1 x Internal power connector (2x2 pin), Support AT/ATX mode
- ♦ Power Consumption: 12V@4.89A (Intel® 1.8GHz CPU with one 1333 MHz 4 GB DDR3 SO-DIMM)
- ♦ 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

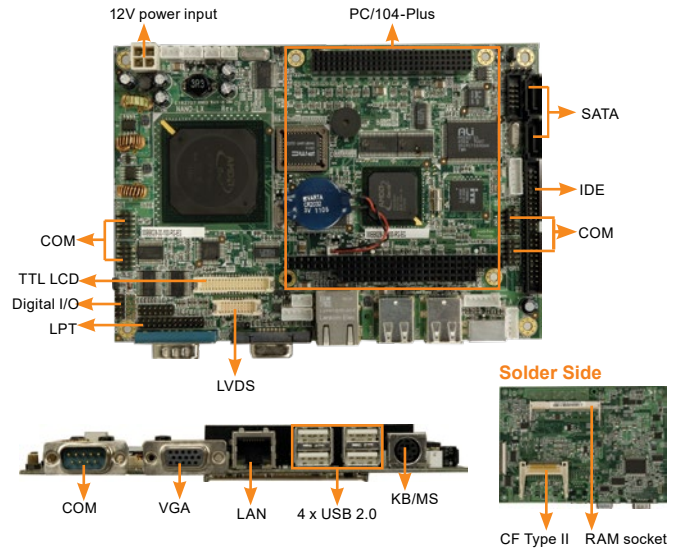
1 x NANO-QM770 single board computer	
1 x Audio cable	2 x SATA with power cable kit
1 x Power cable	1 x Mini jumper pack
2 x RS-232 cable	1 x QIG

## Ordering Information

Part No.	Description
NANO-QM770-R10	EPIC SBC supports Socket G2 for Intel® 22nm mobile CPU, DVI-I/dual HDMI/LVDS, dual PCIe GbE, PCIe Mini, USB 3.2 Gen 1 (5Gb/s), SATA 6Gb/s and Audio
32001-002700-100-RS	Dual port USB cable, 210mm, P=2.54
32006-001100-201-RS	PS/2 KB/MS cable, 135mm/110mm, 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 (PGA988) up to 55W processor, copper, 60 x 60 x 27.6mm, RoHS
TPM-IN01-R20	20-pin Infineon TPM module, software management tool, firmware v3.17

# 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

## 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, 5 x RS-232, 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

## 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