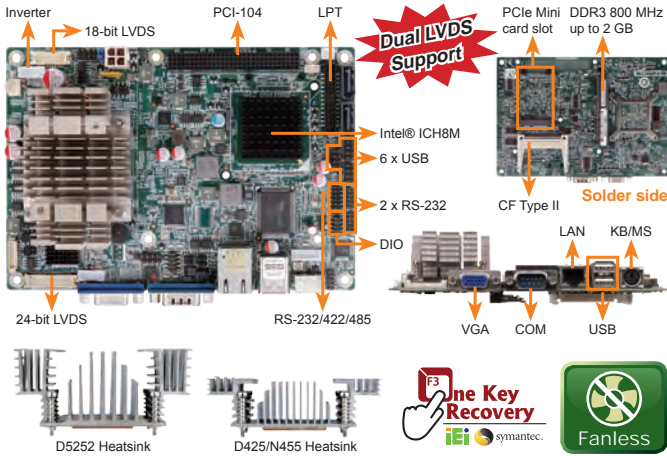


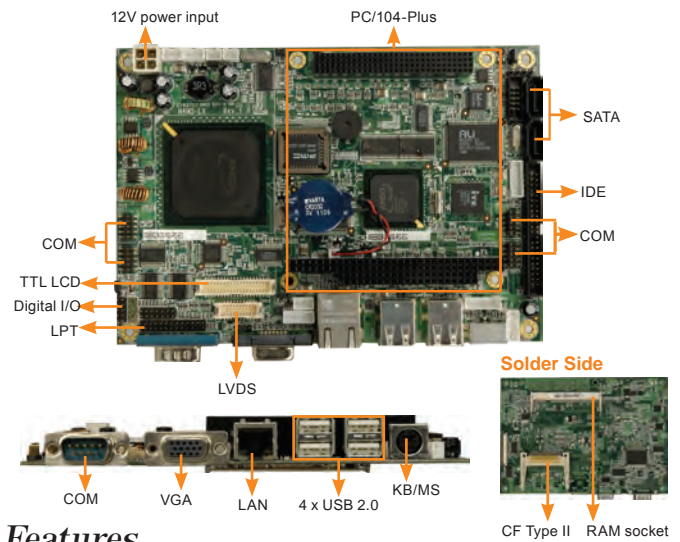
NANO-PV-D4252/N4552/D5252

EPIC SBC with Intel® Atom™ D425/N455/D525, DDR3, VGA/Dual LVDS, PCIe GbE, CF Type II, SATA 3Gb/s



NANO-LX

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



Features

- EPIC SBC with Intel® Atom™ D525/D425/N455 processor and DDR3 solution
- 12V only single voltage design for AT/ATX mode
- Support dual LVDS
- Support PCI-104 and PCIe Mini card slot
- Support five COM, eight USB, two SATA 3Gb/s and one CF Type II socket
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
 - Intel® Atom™ D525 (1.8GHz, dual-core, 1MB cache)
 - Intel® Atom™ D425 (1.8GHz, single-core, 512KB cache)
 - Intel® Atom™ N455 (1.66GHz, single-core, 512KB cache)
- ◆ Chipset: Intel® ICH8M
- ◆ BIOS: UEFI BIOS
- ◆ Memory
 - One 204-pin 800 MHz DDR3 SDRAM SO-DIMM slot supports up to 4 GB (D525/D425) or 2 GB (N455)
- ◆ Graphics
 - GMA 3150
 - Graphic core speed 400 MHz for D525/D425
 - Graphic core speed 200 MHz for N455
- ◆ Display Output
 - VGA (up to 2048x1536@60Hz) or 1400x1050@60Hz)
 - 18-bit single-channel LVDS (up to 1366x768@60Hz) or 1024x768@60Hz)
 - 24-bit dual-channel LVDS (up to 1920x1080@60Hz)
- ◆ Audio
 - Realtek ALC662 HD codec
 - 1 x Front Audio (2x5 pin)
- ◆ TPM (optional): On-board Infineon SLB9635TT1.2
- ◆ Ethernet
 - LAN: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
- ◆ External I/O Interface
 - 1 x PS/2 KB/MS 1 x RS-232
 - 2 x USB 2.0
- ◆ Internal I/O Interface
 - 1 x CF Type II socket
 - 1 x KB/MS (1x6 pin)
 - 1 x LPT (2x13 pin, P=2.0)
 - 1 x RS-232/422/485 (2x7 pin, P=2.0)
 - 2 x RS-232 (2x5 pin, P=2.0)
 - 2 x SATA 3Gb/s with 5V SATA power connector
 - 6 x USB 2.0 (2x4 pin, P=2.54)
- ◆ Expansion
 - 1 x PCI-104 slot
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector
 - 1 x CPU smart fan (1x3 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@2.16A (Intel® Atom™ D525 with 2 GB 1066 MHz DDR3)
 - 12V@2.08A (Intel® Atom™ D425 with 2 GB 1066 MHz DDR3)
 - 12V@1.99A (Intel® Atom™ N455 with 2 GB 1066 MHz DDR3)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity
 - 5% ~ 95%, non-condensing
- ◆ Weight: GW: 650g / NW: 340g

Packing List

1 x NANO-PV-D4252/N4552/D5252 single board computer	
1 x Audio cable	2 x RS-232 cable
1 x Dual port USB cable	1 x Mini jumper pack
1 x KB/MS Y cable	1 x One Key Recovery CD
1 x Power cable	1 x QIG
1 x SATA with 5V output cable	1 x Utility CD

Ordering Information

Part No.	Description
NANO-PV-D5252-R11	EPIC SBC with Intel® Atom™ D525 1.8GHz/1MB L2, VGA/Dual LVDS, PCIe GbE, CF Type II, SATA 3Gb/s
NANO-PV-D4252-R11	EPIC SBC with Intel® Atom™ D425 1.8GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF Type II, SATA 3Gb/s
NANO-PV-N4552-R11	EPIC SBC with Intel® Atom™ N455 1.66GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF Type II, SATA 3Gb/s
19800-004300-100-RS	RS-232 & RS-422/485 cable with bracket, 14-pin to two DB-9, 250mm, P=2.0
19FFD124010HB2A7-000001-RS	CPU fan (40mmx40mmx10mm)
32200-015100-RS	LPT cable, 280mm, P=2.0
32801-000703-500-RS	SATA (7-pin to 7-pin) cable, 500mm

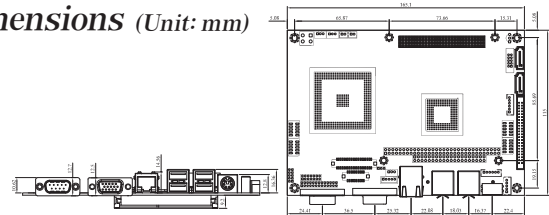
Features

- 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 5 x RS-232
- ◆ 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

Dimensions (Unit: mm)



Packing List

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

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