

epic NANO-945GSE-R20

EPIC SBC with Intel® Atom™ processor, VGA/Dual LVDS/Dual PCIe GbE, CF Type II, SATA

epic NANO-945GSE2

EPIC SBC with Intel® Atom™ processor, VGA/LCD/Dual PCIe GbE, CF Type II, SATA, PC/104-Pus

Features

1. Intel® Atom™ processor N270 1.6GHz CPU for ultra low voltage fanless support
2. Single 12V power input, 5V output for SATA device
3. Dual LVDS supports dual independent display
4. Support four COM, six USB, two SATA
5. Support PCIe Mini Card, PCI-104 for expansion
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: 1.6 GHz Intel® Atom™ N270 processor with a 533 MHz FSB
- ◆ System Chipset: Intel® 945GSE Intel® 82801GBM/ICH7M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet: Dual PCIe Realtek 8111E GbE chipset
- ◆ I/O Interface: 6 x USB 2.0, 1 x IDE, 1 x RS-232/422/485, 1 x LPT, 2 x SATA, 3 x RS-232, 1 x PS/2 for KB/MS, 1 x CF Type II
- ◆ Infrared Interface: 1 x Infrared interface by pin header
- ◆ Expansions: 1 x PCI-104 (PCI Bus), 1 x PCIe Mini card
- ◆ Super IO: ITE IT8718
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output by supper I/O
- ◆ Audio: 5.1 channel audio kit with Realtek ALC655 AC'97 codec, 7.1 channel HD Audio kit with Realtek ALC888 codec supports dual audio stream
- ◆ Display Interface: Intel® Graphics Media Accelerator 950, VGA intergrated in Intel® 945GSE, Support HDTV resolution up to 1080i by component interface
- ◆ Dual LVDS support: 18-bit dual-channel LVDS intergrated in Intel® 945GSE, 18/24-bit dual-channel LVDS supported by Chronitel CH7308B (NANO-945GSELVDS2)
- ◆ Watchdog Timer: software programmable 1-255 sec. by super I/O
- ◆ Power Supply: 12V only, AT/ATX support
- ◆ Power Consumption: 12W@1.53A (Intel® Atom™ N270 with 2GB DDR2)
- ◆ Temperature: Operation: 0°C ~ 60°C (NANO-945GSE-N270-R20), Operation: -40°C ~ 85°C (NANO-945GSE-N270W2-R20), Operation: -20°C ~ 70°C (NANO-945GSE-N270W-R20)
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 165 mm x 115 mm
- ◆ Weight: GW: 700g NW 350g

Packing List

1 x NANO-945GSE single board computer	2 x RS-232 cable (P/N: 32200-000049-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x One Key Recovery CD
1 x Power cable (P/N: 32100-087100-RS)	1 x Mini jumper pack
1 x KB/MS cable (P/N: 32006-000300-100-RS)	1 x Utility CD
	1 x QIG

Ordering Information

Part No.	Description
NANO-945GSE-N270-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA
NANO-945GSE-N270W2-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA, -40~85°C
NANO-945GSE-N270W-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA, -20~70°C
NANO-945GSELVDS2-N270-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18+24-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA
NANO-945GSELVDS2-N270W2-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18+24-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA, -40~85°C
NANO-945GSELVDS2-N270W-R20	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/18+24-bit dual-channel LVDS, dual GbE, CF Type II, USB, SATA, -20~70°C
32000-044300-RS	Dual port USB cable
32200-015100-RS	LPT cable
32205-000300-100-RS	RS-232/422/485 cable
32102-022200-100-RS	ATX power cable
32010-000700-100-RS	HDTV out cable
32200-000009-RS	44-pin 2.5" IDE cable
32221-001700-100-RS	44-pin to 2.5"/3.5" IDE cable
32102-000100-100-RS	SATA power cable
32801-000201-100-RS	SATA 5V power output cable kit for NANO series
AC-KIT08R-R10	5.1 channel AC'97 audio kit with realtek ALC655 codec
AC-KIT-888HD-R10	7.1 channel HD Audio kit with realtek ALC888 codec support dual audio stream

Features

1. 1.6 GHz Intel® Atom™ N270 CPU with ultra low voltage fanless support
2. Single 12V power input, 5V output for SATA device
3. Dual display supported by VGA+LVDS, VGA+TTL
4. Support four COM, six USB, two SATA and CF Type II socket
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: 1.6 GHz Intel® Atom™ N270 processor with a 533MHz FSB
- ◆ System Chipset: Intel® 945GSE Intel® 82801GBM/ICH7M
- ◆ BIOS: AMI BIOS
- ◆ System Memory: One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet: Dual PCIe Realtek 8111CP GbE chipset
- ◆ I/O Interface: 6 x USB 2.0, 2 x SATA, 3 x RS-232, 1 x RS-232/422/485, 1 x PS/2 for KB/MS, 1 x LPT, 1 x CF Type II
- ◆ Infrared Interface: 1 x Infrared interface by pin header
- ◆ Expansions: 1 x PC/104-Plus
- ◆ Super IO: ITE IT8718
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Audio: Realtek ALC655 with AC'97 codec
- ◆ Display Interface: Intel® Graphics media accelerator 950, VGA intergrated in Intel® 945GSE, 18-bit dual-channel LVDS intergrated in Intel® 945GSE, 24-bit TTL (LVDS to TTL)
- ◆ Watchdog Timer: Software programmable 1-255 sec. by super I/O
- ◆ Power Supply: 12V only, AT/ATX support
- ◆ Power Consumption: 12W@1.45A (Intel® Atom™ Processor N270 with 1GB DDR2)
- ◆ Temperature: Operation: 0°C ~ 60°C (NANO-945GSE2-N270-R10), Operation: -20°C ~ 70°C (NANO-945GSE2-N270W-R10)
- ◆ Operation Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 165 mm x 115 mm
- ◆ Weight: GW: 700g NW 350g

Packing List

1 x NANO-945GSE2 single board computer	1 x Power cable (P/N: 32100-087100-RS)
1 x Audio cable (P/N: 32007-002600-100-RS)	1 x One Key Recovery CD
1 x KB/MS cable (P/N: 32006-000300-100-RS)	1 x Mini jumper pack
2 x RS-232 cable (P/N: 32200-000049-RS)	1 x Utility CD
2 x SATA cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
NANO-945GSE2-N270-R10	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/LVDS/TTL, dual GbE, CF Type II, USB, SATA and PC/104+
NANO-945GSE2-N270W-R10	EPIC SBC with Intel® Atom™ processor N270 1.6 GHz, VGA/LVDS/TTL, dual GbE, CF Type II, USB, SATA and PC/104+, -20~70°C
32000-070301-RS	Dual port USB cable
32200-015100-RS	LPT cable
32200-833600-RS	RS-422/485 cable
32102-022100-100-RS	ATX power cable
32102-000100-100-RS	SATA power cable
32801-000201-100-RS	SATA 5V power output cable kit for NANO series