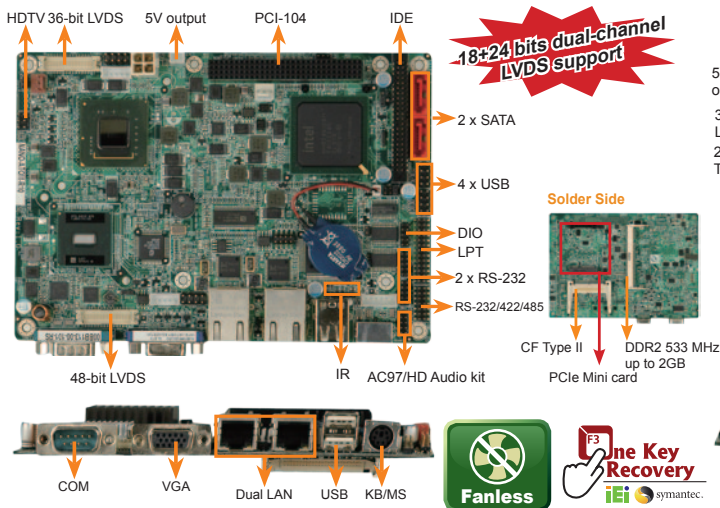


NANO-945GSE-R20

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



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 LAN: Realtek RTL8111E PCIe GbE controller
- ◆ I/O Interface
6 x USB 2.0
1 x IDE
1 x RS-232/422/485
1 x LPT
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 super 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 integrated in Intel® 945GSE
Support HDTV resolution up to 1080i by component interface
- ◆ Dual LVDS support:
18-bit dual-channel LVDS integrated 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-N270W-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

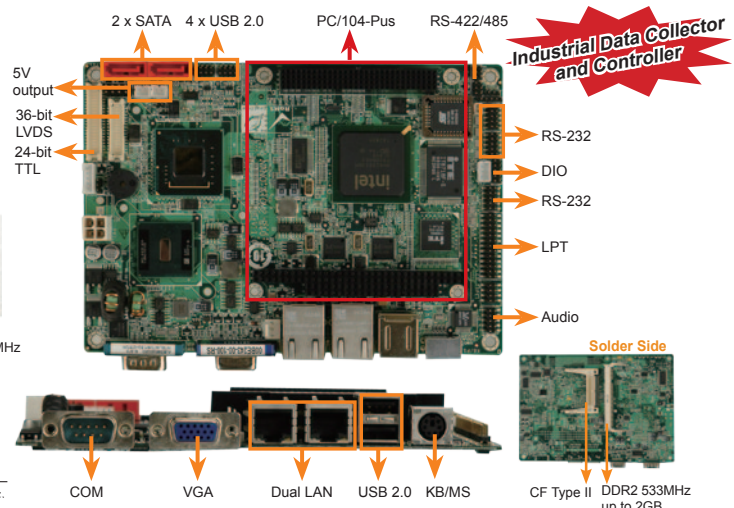
1 x NANO-945GSE single board computer	2 x RS-232 cable (P/N: 32200-000049-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x One Key Recovery CD
1 x Power cable (P/N: 32100-087100-RS)	1 x Mini jumper pack
1 x KB/MS cable (P/N: 32006-000300-100-RS)	1 x Utility CD
	1 x QIG

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-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
32000-044300-RS	Dual port USB cable
32200-015100-RS	LPT cable
32200-026500-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
32102-000100-200-RS	SATA power cable
32801-000201-300-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-892HD-R10	7.1 channel HD Audio kit with realtek ALC888 codec support dual audio stream

NANO-945GSE2

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



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 LAN: Realtek PCIe 8111CP GbE controller
- ◆ I/O Interface
6 x USB 2.0
2 x SATA
3 x RS-232
1 x RS-232/422/485
(RS-232, RS-422/485 shared with COM3)
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 I/O: 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 integrated in Intel® 945GSE
18-bit dual-channel LVDS integrated 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)
- ◆ Storage Temperature: -30°C ~ 80°C
- ◆ 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: 32000-072100-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
32102-000100-200-RS	SATA power cable
32801-000201-300-RS	SATA 5V power output cable kit for NANO series