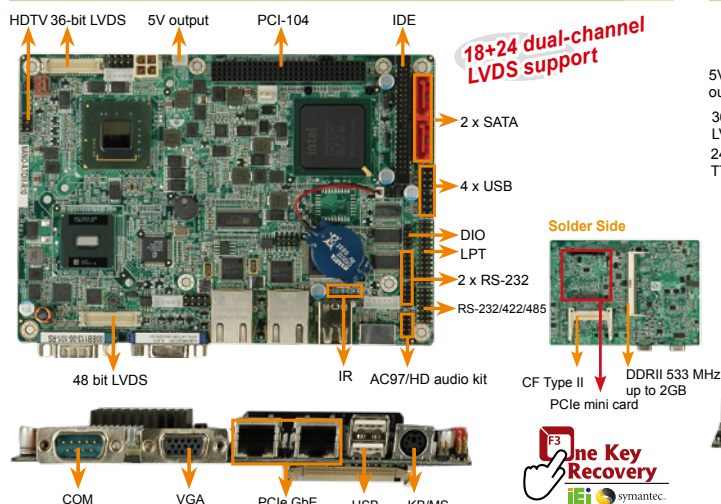


epic NANO-945GSE

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 fan-less 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
Intel® Atom™ Processor N270 1.6GHz with 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 8111CP 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 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 streams
- ◆ 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 dual-channel LVDS support 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-R10)
Operation: -40°C ~ 85°C (NANO-945GSE-N270W2-R10)
Operation: -20°C ~ 70°C (NANO-945GSE-N270W-R10)
- ◆ Humidity: operation: 5% ~95 non-condensing
- ◆ Dimensions: 165 mm x 115 mm
- ◆ Weight: GW: 700g NW 350g

Packing List

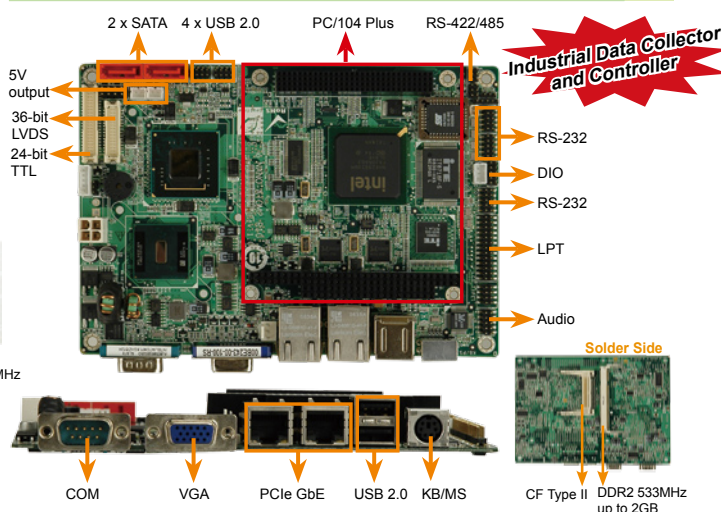
1 x NANO-945GSE single board computer	2 x RS-232 cable (P/N: 32200-000049-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x KB/MS cable (P/N: 32006-000300-100-RS)
1 x Power cable (P/N: 32100-087100-RS)	1 x Mini jumper pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
NANO-945GSE-N270-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18 bit dual-channel LVDS, Dual GbE, CFII, USB, SATA
NANO-945GSE-N270W2-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18 bit dual-channel LVDS, Dual GbE, CFII, USB, SATA, -40~85°C
NANO-945GSE-N270W-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18 bit dual-channel LVDS, Dual GbE, CFII, USB, SATA, -20~70°C
NANO-945GSELVDS2-N270-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18+24bit dual-channel LVDS, Dual GbE, CFII, USB, SATA
NANO-945GSELVDS2-N270W2-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18+24bit dual-channel LVDS, Dual GbE, CFII, USB, SATA, -40~85°C
NANO-945GSELVDS2-N270W-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18+24bit dual-channel LVDS, Dual GbE, CFII, USB, SATA, -20~70°C
32000-044300-RS	Dual port USB cable
32200-015100-RS	LPT cable
32200-026500-RS	RS-232/422/485 cable
32100-043403-RS	ATX power cable
32000-083701-RS	HDTV out cable
32200-000009-RS	44pin 2.5" IDE cable
32200-008800-RS	44pin to 2.5/3.5" IDE cable
32102-000100-200-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 streams

epic NANO-945GSE2

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



Features

1. Intel® Atom™ N270 1.6GHz CPU with ultra low voltage fan-less support
2. Single 12V power input, 5V output for SATA device
3. Dual display support 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
Intel® Atom™ Processor N270 1.6 GHz with 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
(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 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 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)
- ◆ 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	2 x RS-232 cable (P/N: 32200-000049-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x Audio cable (P/N: 32000-072100-RS)
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-945GSE2-N270-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/LVDS/TTL, Dual GbE, CFII, USB, SATA and PC/104+
NANO-945GSE2-N270W-R10	EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/LVDS/TTL, Dual GbE, CFII, 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
32100-052100-RS	ATX power cable
32102-000100-200-RS	SATA power cable
32801-000201-100-RS	SATA 5V power output cable kit for NANO series