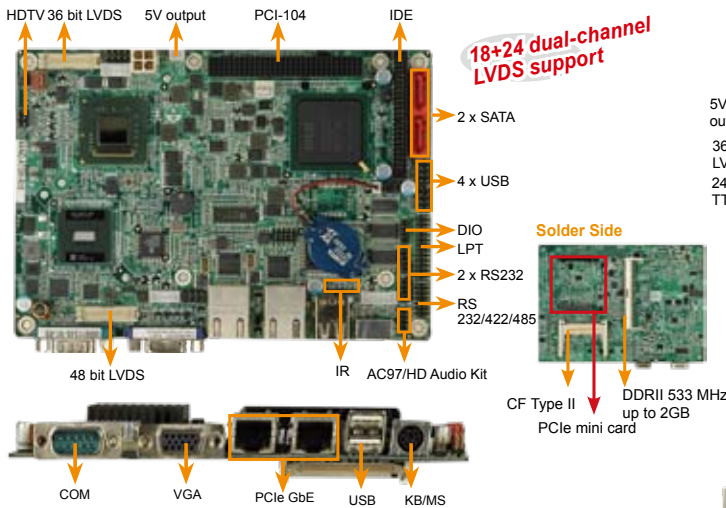


epic NANO-945GSE

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, Provide 5V output for SATA Device
3. Dual LVDS support dual independent display
4. Support 4x COM, 6x USB, 2x SATA
5. Support PCIe Mini Card, PCI-104 for expansion

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
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 ALC883 codec supports dual audio streams
- ◆ 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 dual-channel LVDS support by Chronot CH7308B (NANO-945GSELVDS2)
- ◆ Watchdog Timer
software programmable 1-255 sec. by super I/O
- ◆ Power Supply:
12V only, AT/ATX support
- ◆ Power Consumption
12V@1.53A
(Intel® Atom™ N270 with 2GB DDR2)
- ◆ Temperature
operation: 0°C~ 60°C (32°F~ 140°F)
- ◆ Humidity: operation: 5% ~95 non-condensing
- ◆ Dimensions: 165 mm x 115 mm
- ◆ Weight: GW: 700g NW 350g

Packing List

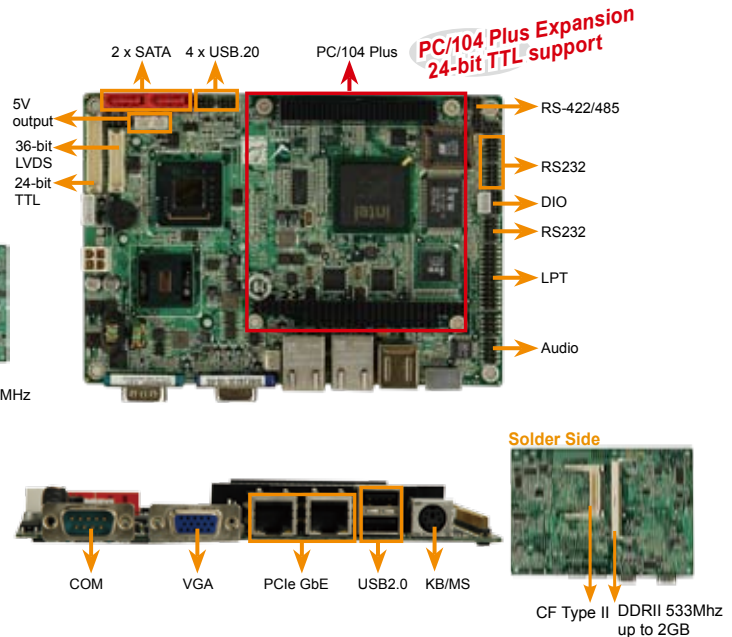
| | |
|--|---|
| 1 x NANO-945GSE Single board computer | 2 x RS-232 cable (P/N: 32200-000049-RS) |
| 2 x SATA cable (P/N: 32000-062800-RS) | 1 x KB/MS cable (P/N: 32000-000138-RS) |
| 1 x Power cable (P/N: 32100-087100-RS) | 1 x Mini jumper pack |
| 1 x Utility CD | 1 x QIG |

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-945GSELVDS2-N270-R10 | EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/18+24bit dual-Channel LVDS, Dual GbE, CFII, USB, SATA |
| 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 |
| 32100-088600-RS | SATA Power Cable |
| 32000-114000-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-KIT883HD-R10 | 7.1 Channel HD Audio Kit with Realtek ALC883 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 for Ultra Low Voltage Fan-less support
2. Single 12V power input, Provide 5V output for SATA Device
3. Dual Display support by VGA+LVDS, VGA+TTL
4. Support 4 x COM, 6x USB, 2x SATA and CF Type II socket

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
1x Infrared Interface by pin header
- ◆ Expansions
1x 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
12V@ 1.45A
(Intel® Atom™ Processor N270 with 1GB DDR2)
- ◆ Temperature
operation: 0°C~60°C (32°F~140°F)
- ◆ Humidity
operation: 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 KB/MS cable (P/N: 32000-000138-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-945GSE2-N270-R10 | EPIC SBC with Intel® Atom™ Processor N270 1.6 GHz, VGA/LVDS/TTL, Dual GbE, CFII, USB, SATA and PC/104+ |
| 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 |
| 32100-088600-RS | SATA Power cable |
| 32000-114000-RS | SATA 5V power output Cable Kit for NANO series |

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network/Communication/Peripherals