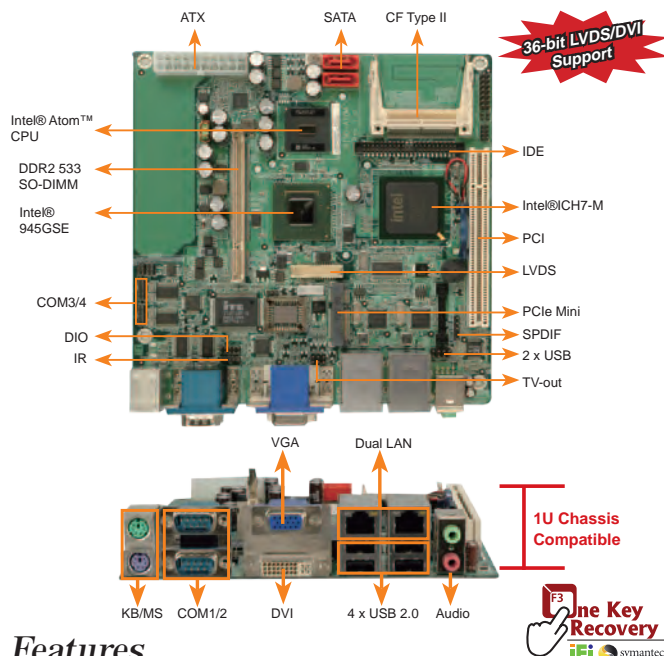


KINO-945GSE-R12

Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB 2.0, SATA and Audio



Features

1. Intel® Atom™ processor N270 1.6GHz with ultra low voltage fanless support
2. 400/533MHz DDR2 SO-DIMM memory support up to 2GB
3. Dual display support by VGA + DVI-D, LVDS + VGA, LVDS + DVI-D
4. Support PCIe Mini slot and PCI slot for expansion
5. Support six USB 2.0, two SATA, four COM
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
Intel® Atom™ processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset
Intel® 945GSE + ICH7M
- ◆ BIOS
AMI BIOS
- ◆ Memory
One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
Dual LAN: Realtek PCIe 8111CP GbE controller
- ◆ I/O Interface
6 x USB 2.0
1 x CF Type II
1 x RS-232/422/485
2 x PS/2 for KB/MS
- ◆ Graphic
Intel® Graphics Media Accelerator 950
- ◆ Display Output
VGA integrated in Intel® 945GSE
Support HDTV resolution up to 1080i by component interface
18-bit dual-channel LVDS by Intel® 945GSE
DVI-D supported by silicon image Sil1362
- ◆ Expansion
1 x PCI, 1 x PCIe Mini card
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Infrared Interface by pin header
- ◆ Super IO
ITE IT8718F
- ◆ Audio
Realtek ALC655 AC'97 codec
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
AT/ATX power support
- ◆ Power Consumption:
2.89A@5V, 0.04A@12V
(Intel® Atom™ N270 with 1GB DDR2)
- ◆ Operating Temperature
KINO-945GSE-N270-R11:
Operation: 0°C ~ 60°C (32°F ~ 140°F)
Storage: -20°C ~ 70°C
KINO-945GSE-N270W-R11:
Operation: -20°C ~ 70°C
Storage: -30°C ~ 80°C
- ◆ Humidity Operating
5% ~ 95%, non-condensing
- ◆ Dimensions
170mm x 170mm
- ◆ Weight: GW: 1100g/NW: 370g

Packing List

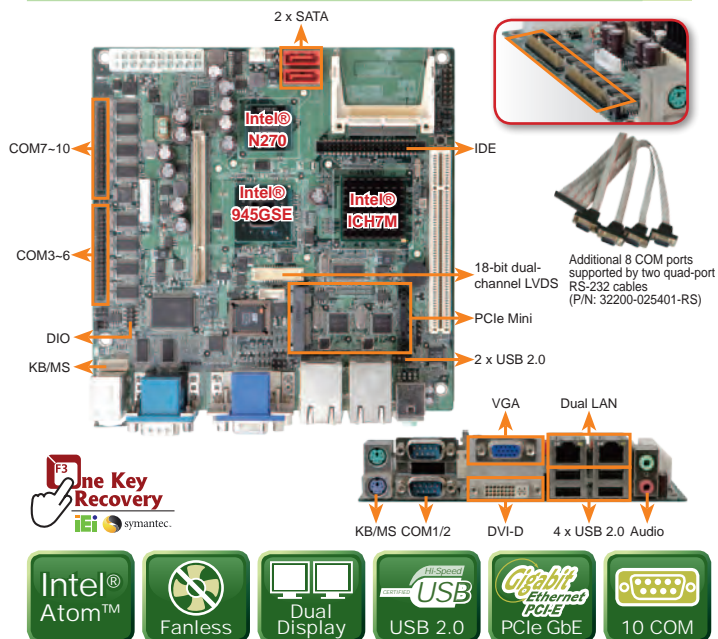
1 x KINO-945GSE single board computer	
1 x Dual RS-232 cable (P/N: 19800-000112-RS)	
1 x I/O shielding (P/N: 45014-0008C0-00-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KINO-945GSE-N270-R12	Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB 2.0, SATA and Audio
KINO-945GSE-N270W-R12	Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB 2.0, SATA and Audio, -20~70°C
19800-003100-300-RS	Dual USB cable
32102-000100-200-RS	SATA power cable
32200-000009-RS	44-pin 2.5" IDE cable
32200-833600-RS	RS-422/485 cable

KINO-945GSE3

Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/LVDS, Dual PCIe GbE, USB 2.0, ten COM, SATA and Audio



Features

1. Intel® Atom™ N270 processor 1.6GHz for fanless support
2. 400/533MHz DDR2 SO-DIMM memory support up to 2GB
3. Dual display support by VGA + DVI-D/LVDS + VGA/LVDS + DVI-D
4. Support PCIe Mini card/PCI slot for expansion
5. Complete I/O interfaces: six USB 2.0, two SATA and ten COM
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
Intel® Atom™ N270 processor 1.6GHz with a 533MHz FSB
- ◆ System Chipset
Intel® 945GSE + ICH7M
- ◆ BIOS
AMI BIOS
- ◆ Memory
One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
LAN2: Realtek RTL8111E PCIe GbE controller
- ◆ I/O Interface
6 x USB 2.0
1 x CF Type II
1 x IDE
9 x RS-232
2 x SATA
1 x 6-pin header for KB/MS
1 x RS-232/422/485
2 x PS/2 for KB/MS
- ◆ Graphic: GMA950
- ◆ Display Output
VGA integrated in Intel® 945GSE
Support HDTV resolution up to 1080i by component interface
18-bits dual-channel LVDS by Intel® 945GSE
DVI-D supported by Silicon Image Sil1362
- ◆ Expansion
1 x PCI
1 x PCIe Mini card
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Super IO
Fintek F81865
- ◆ Audio
Realtek ALC655 AC'97 codec
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
AT/ATX power supply support
- ◆ Power Consumption
12V@0.43A, 5V@4.5A (Intel® Atom™ N270 1.6GHz with 2GB DDR2)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Storage Temperature
-20°C ~ 70°C
- ◆ Humidity Operating
5% ~ 95%, non-condensing
- ◆ Dimensions: 170mm x 170mm
- ◆ Weight: GW: 1100g/NW: 370g

Packing List

1 x KINO-945GSE3 single board computer	
2 x Quad port RS-232 cable (P/N: 32200-025401-RS)	
1 x I/O shielding (P/N: 45014-0008C0-00-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KINO-945GSE3-N270-R10	Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/LVDS, Dual PCIe GbE, USB 2.0, 10 COM, SATA and Audio
19800-003100-300-RS	Dual USB cable
32102-000100-200-RS	SATA power cable
32200-0833600-RS	RS-422/485 cable
32200-000009-RS	44-pin 2.5" IDE cable
32200-023800-RS	Keyboard/Mouse Y cable