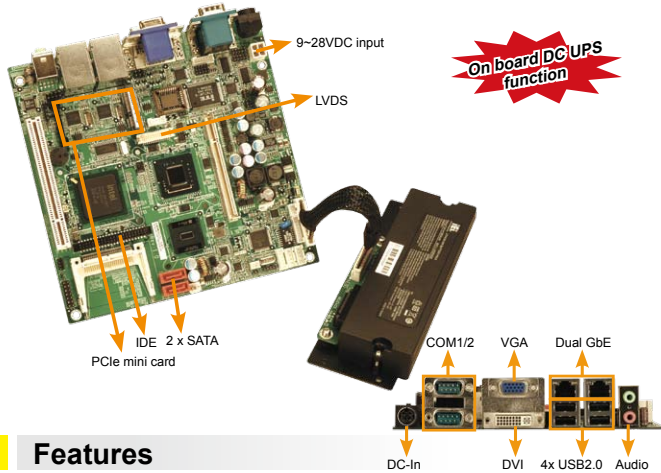


eKINO-ATOM

Mini-ITX SBC with AUPS sub-system, Intel® Atom™ N270 1.6GHz, Wide range 9-28VDC input, VGA/DVI/HDTV



Features

1. Intel® Atom™ N270 1.6GHz for ultra low voltage fan-less support
2. Wide range 9-28V DC input
3. Equipped with AUPS sub-system acts as a simple UPS system
4. Dual-display supported by VGA + DVI-D, LVDS + VGA, LVDS + DVI-D
5. IBX 600 Embedded System
6. Support 6 x USB2.0, 2 x SATA, 4x COM

Specifications

- ◆ CPU
Intel® Atom™ Processor N270 1.6GHz with 533MHz FSB 512K L2 Cache
- ◆ System Chipset
Intel® 945GSE + Intel® ICH7M
- ◆ BIOS
AMI BIOS
- ◆ Memory
One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
Dual Realtek PCIe 8111CP GbE Controller
- ◆ I/O Interface
6 x USB2.0 3 x RS-232
1 x IDE 2 x SATA with 5V DC output
1 x RS-232/422/485 1 x 6pin header for KB/MS
- ◆ Graphic
On Intel® Graphics Media Accelerator 950 (Intel® GMA 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 support by Silicon image Sil1362
- ◆ Expansion
1x PCI 1x PCIe mini card
- ◆ DC connector
2pcs 1x4pin 5V power connector (Major for 2.5" HDD used)
- ◆ Digital I/O
8-bits digital I/O, 4-bits input/ 4-bits output
- ◆ Infrared Interface
1x 5pin pin header
- ◆ SSD
1 x CF Type II
- ◆ Super IO
ITE IT8718F
- ◆ Audio
Realtek ALC655 AC'97 Codec
- ◆ WDT
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
Maximum input voltage range 9V~28V
Recommend operating input voltage range 12V~24V
1 x external DIN 4pin DC jack
1 x internal 2x2pin power connector
- ◆ Power Consumption
12V@1A (Intel® Atom™ N270 with 1GB DDR2)
- ◆ Temperature
Operation: 0°C ~ 40°C with AUPS sub-system
Operation: 0°C ~ 60°C without AUPS sub-system
- ◆ Humidity
Operation: 5% ~95% non-condensing
- ◆ Dimensions:
170mm x 170mm
- ◆ Weight: GW: 1100g / NW: 400 g

Packing List

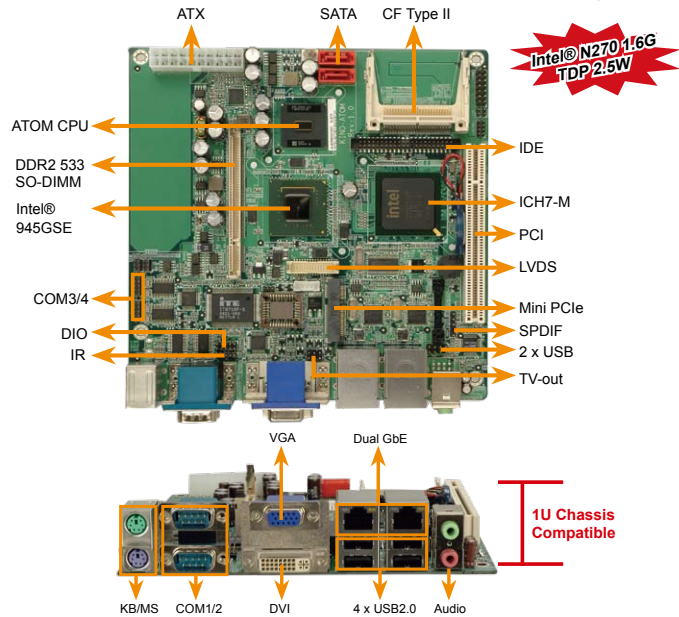
| | |
|-----------------------------------------------------------|---------|
| 1 x eKINO-ATOM single board computer | |
| 2 x SATA 5V power output Cable Kit (P/N: 32000-106100-RS) | |
| 1 x I/O shielding (P/N: 45014-0023C0-00-RS) | |
| 1 x KB/MS Y cable (P/N:32000-023800-RS) | |
| 1 x Mini Jumper Pack | |
| 1 x Utility CD | 1 x QIG |

Ordering Information

| Part No. | Description |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| eKINO-ATOM-N270-R10 | Mini-ITX SBC with AUPS sub-system, Intel® Atom™ N270 1.6GHz, Wide range 9-28VDC input, VGA/DVI/HDTV |
| CB-USB02-RS | Dual USB cable |
| HDTV-CABLESET-01 | HDTV Cable Set with S-Video, Composite and Component Interfaces |
| WMPCIE-V01-R10 | PCIe Mini card wireless LAN Module |
| BATKIT-2S2P3800-R10 | 2S2P 7.4V 3800mAH AUPS BATTERY KIT |
| BAT-LI-2S2P3800 | 2S2P 7.4V 3800mAH SMART BATTERY |
| BATKIT-4S2P3800-R10 | 4S2P 14.8V 3800mAH AUPS BATTERY KIT |
| BAT-LI-4S2P3800 | 4S2P 14.8V 3800mAH SMART BATTERY |
| 63000-FSP0601AD101C746-RS | 60W/12V Power Adaptor 90VAC~260VAC, DIN 4 PIN |
| 63000-FSP120AAB-RS | 120W/19V Power adapter, 90VAC~264VAC, DIN 4PIN |
| 32200-000009-RS | 44pin 2.5" IDE cable |
| 32100-192900-RS | One 4-pin(2x2) to one 4-pin(1x4) DC power cable with terminal block |
| 19800-000112-RS | Dual RS-232 cable |
| 32200-833600-RS | RS-422/485 cable |

KINO-ATOM

Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB2.0, SATA and Audio



Features

1. Intel® Atom™ Processor N270 1.6G for ultra low voltage fan-less support
2. DDR2 400/533 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. Support 6x USB2.0, 2x SATA, 4x COM

Specifications

- ◆ CPU
Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset
Intel® 945GSE+ICH7M
- ◆ BIOS
AMI BIOS Label
- ◆ Memory
One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
Dual Realtek PCIe 8111CP GbE Chipsets
- ◆ I/O Interface
6 x USB2.0
2 x SATA
1 x CF Type II
3 x RS-232
1 x RS-232/422/485
1 x IDE
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 support 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
- ◆ WDT
Software Programmable support 1~255 sec. System reset
- ◆ Power Supply
5V/12V, AT/ATX Support
- ◆ Power Consumption:
5V@2.89A, 12V@0.04A (Intel® Atom™ N270 with 1GB DDR2)
- ◆ Temperature:
Operation: 0°C~60°C (32°F~140°F)
- ◆ Humidity:
Operation: 5% ~95% non-condensing
- ◆ Dimensions:
170mm x 170mm
- ◆ Weight:
GW: 1100g / NW: 370 g

Packing List

| | |
|----------------------------------------------|---------|
| 1 x KINO-ATOM single board computer | |
| 1 x Dual RS-232 cable (P/N: 19800-000112-RS) | |
| 2 x SATA cable (P/N: 32000-062800-RS) | |
| 1 x I/O shielding (P/N: 45014-0008C0-00-RS) | |
| 1 x Mini Jumper Pack | |
| 1 x Utility CD | 1 x QIG |

Ordering Information

| Part No. | Description |
|--------------------|---------------------------------------------------------------------------------------------|
| KINO-ATOM-N270-R10 | Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB2.0, SATA and Audio |
| CB-USB02-RS | Dual USB cable |
| HDTV-CABLESET-01 | HDTV Cable Set with S-Video, Composite and Component Interfaces |
| 32100-088600-RS | SATA Power cable |
| 32200-000009-RS | 44pin 2.5" IDE cable |
| 32200-833600-RS | RS-422/485 cable |

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