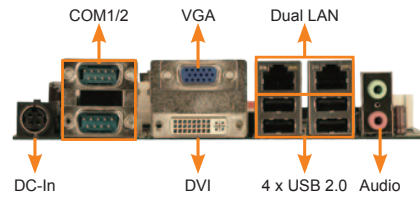
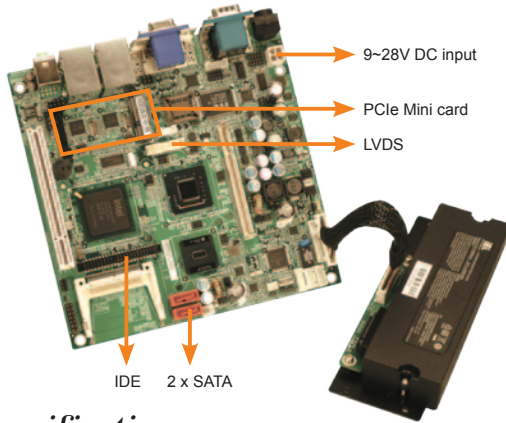


# eKINO-945GSE-R12

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



## 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 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet  
Dual LAN: Realtek PCIe 8111CP GbE controller
- ◆ I/O Interface  
6 x USB 2.0                      3 x RS-232  
1 x IDE                              2 x SATA with 5V DC output  
1 x RS-232/422/485    1 x 6-pin header for KB/MS
- ◆ Graphic  
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-bits dual-channel LVDS by Intel® 945GSE  
DVI-D support by silicon image Sil1362
- ◆ Expansion  
1 x PCI, 1 x PCIe Mini card
- ◆ DC connector  
Two 4-pin 5V power connectors (mainly for 2.5" HDD used)
- ◆ Digital I/O  
8-bit digital I/O, 4-bit input/4-bit output
- ◆ Infrared Interface  
1 x 5-pin header
- ◆ SSD  
1 x CF Type II
- ◆ Super IO  
ITE IT8718F
- ◆ Audio  
Realtek ALC655 AC'97 Codec
- ◆ Watchdog Timer  
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 4-pin DIN DC jack  
1 x Internal 4-pin (2x2) power connector
- ◆ Power Consumption  
12W@1A  
(Intel® Atom™ N270 with 1GB DDR2)
- ◆ Operating Temperature  
0°C ~ 40°C with AUPS sub-system  
0°C ~ 60°C without AUPS sub-system
- ◆ Storage Temperature  
-20°C ~ 70°C
- ◆ Humidity Operating  
5% ~ 95%, non-condensing
- ◆ Dimensions  
170mm x 170mm
- ◆ Weight  
GW:1100g/NW: 400 g

## Features

1. Intel® Atom™ N270 1.6GHz with ultra low voltage fanless 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. Support six USB 2.0, two SATA, four COM
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Packing List

1 x eKINO-945GSE single board computer	
2 x SATA 5V power output cable (P/N: 32801-000100-300-RS)	
1 x I/O shielding (P/N: 45014-0023C0-00-RS)	1 x Mini jumper pack
1 x KB/MS Y cable (P/N: 32000-023800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
eKINO-945GSE-N270UPS-R12	Mini-ITX SBC supports AUPS sub-system, Intel® Atom™ N270 1.6GHz, wide range 9-28VDC input, VGA/DVI/HDTV
19800-003100-300-RS	Dual USB cable
WMPCIE-V01-R30	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, 4-pin DIN
63000-FSP120AAB-RS	120W/19V power adaptor, 90VAC~264VAC, 4-pin DIN
32200-000009-RS	44-pin 2.5" IDE cable
32100-192900-RS	One 4-pin (2 x 2) to one 4-pin (1 x 4) DC power cable with terminal block
19800-000300-100-RS	RS-232 cable with bracket
32200-833600-RS	RS-422/485 cable

## AUPS Battery Kit

• BATKIT-2S2P3800-R10



P/N: BAT-LI-2S2P3800  
2S2P 7.4V 3800mAH

• BATKIT-4S2P3800-R10



P/N: BAT-LI-4S2P3800  
4S2P 14.8V 3800mAH

## Battery Specifications

Battery Model	BAT-LI-2S2P3800	BAT-LI-4S2P3800
Battery type	Li-Ion 2S2P 7.4V	Li-Ion 4S2P 14.8V
Battery capacity	7.4V 3800mAH	14.8V, 3800mAH
Maximum charge voltage	8.4V	16.8V
The end of discharging voltage	5.6V	11.2V
Battery charge time (Power off)	2.5hrs	5hrs
Battery charge time (Power on)	6.5hrs	13hrs
Operating temp.	0°C ~ 40°C	0°C ~ 40°C
Storage temp.	-20°C ~ 60°C	-20°C ~ 60°C
Cycle life	300 charge/discharge cycles	
Backup	60W/10Min	100W/10Min
Safety class	CE	

## Dimensions (Unit: mm)

