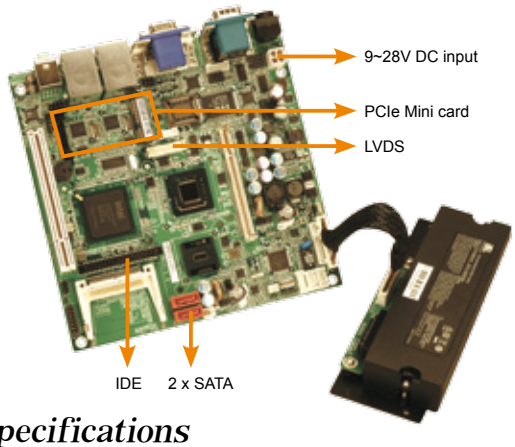
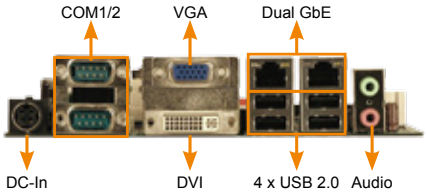
eKINO-945GSE-R11

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





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

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 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
  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
  Storage: -20°C ~ 70°C
- Humidity
  Operation: 5% ~ 95%, non-condensing
- Dimensions: 170mm x 170mm
- Weight: GW: 1100g/NW: 400 g

Packing List

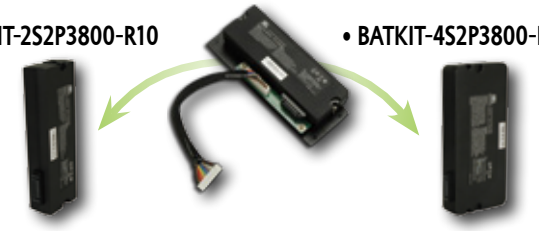
1 x eKINO-945GSE single board computer	
2 x SATA 5V power output cable (P/N: 32801-000100-100-RS)	
1 x I/O shielding (P/N: 45014-0023C0-00-RS)	1 x Mini jumper pack
1 x KB/MS Y cable (P/N: 32000-023800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
eKINO-945GSE-N270UPS-R11	Mini-ITX SBC supports AUPS sub-system, Intel® Atom™ N270 1.6GHz, wide range 9-28VDC input, VGA/DVI/HDTV
19800-003100-200-RS	Dual USB cable
HDTVCABLESET-01	HDTV cable set with S-Video, composite and component interfaces
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 adapter, 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**
- **BATKIT-4S2P3800-R10**



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

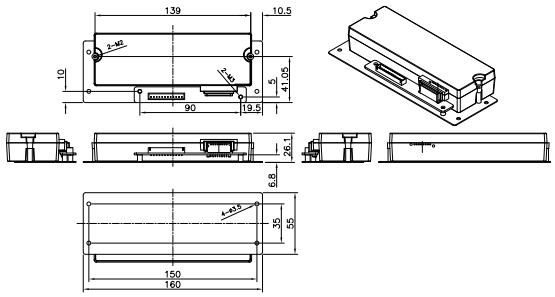
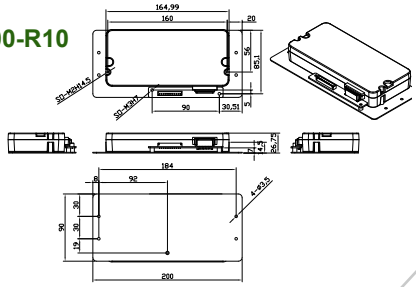
P/N: BAT-LI-4S2P3800
4S2P 14.8V 3800mAH

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)*

BATKIT-2S2P3800-R10



BATKIT-4S2P3800-R10