

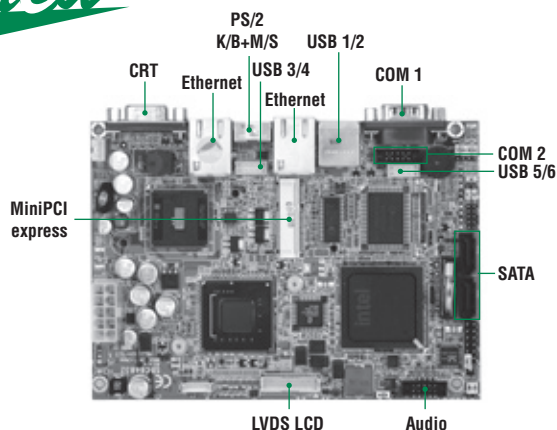
SBC84832

Intel® Atom™ Embedded SBC with Intel® 945GSE+ICH7M Chipset, DualView and Mini Card Expansion

2

Single Board Computers

New

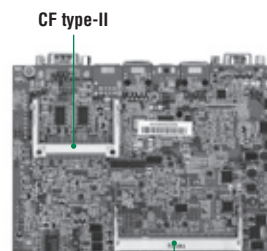


- Atom™ N270
- Intel® 945GSE
- 2 G.E.
- LVDS/CRT
- 6 USB 2.0
- Mini PCI Express
- CompactFlash™

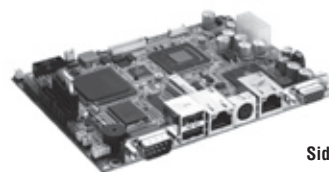
Features



- ▶ Intel® Atom™ N270 1.6 GHz processor with FSB 533 MHz MH/s
- ▶ Intel® 945GSE+ICH7M chipset
- ▶ With Intel Gen 3.5 high performance integrated graphic controller for VGA and LVDS
- ▶ 6 USB 2.0 ports
- ▶ 2 COM ports
- ▶ MiniPCI Express



DDR2 SODIMM Rear view



Side view

System

CPU	Intel® Atom™ N270 1.6 GHz processor with FSB 533 MHz MH/s
System Memory	1 x 200-pin DDR2-400/533 SODIMM max. up to 2GB
Chipset	Intel® 945GSE+ICH7M
BIOS	AMI 8 Mbit with RPL/PXE LAN boot ROM.
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 0~255 sec.
Expansion Interface	1 x Mini Card
Battery	Lithium 3V/196mAH
Size	146 x 102mm
Temperature	0°C ~ 60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard 1 x PS/1 mouse 2 x RS-232 (COM 1/2); with +5V/+12V powered
SATA	2 x SATA-150
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan features
Ethernet	2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B (Standard version supports single LAN)
Audio	AC'97 Codec audio as MIC-in/Line-out/Speaker-out with Realtek ALC662
USB	6 x USB 2.0 port 2 ports on rear I/O 4 ports via connector
TPM 1.2	N/A
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	3 channel IN and 5 channel OUT

Display

Chipset	Intel® 945GSE Gen3.5 integrated graphic engine.
Memory Size	Max. up to 224 MB DVMT sharing system memory
Resolution	* VGA: 2048 x 1536 * LVDS LCD: 18/24-bit single/dual channel up to 1600 x 1200
Output Interface	* VGA with D-sub 15pin connector * LVDS LCD via JST connector

* W.T.: Wide Temperature

Packing List

Quick installation guide, user's manual/utility CD, cable

Ordering Information

Standard	
SBC84832VGA-N270	3.5" SBC with Intel® Atom™ N270 CPU, w/18-bit LVDS (P/N: E384832102)
SBC84832VGA-N270	3.5" SBC with Intel® Atom™ N270 CPU, w/24-bit LVDS (P/N: E384832101)
Optional	
SBC84832VGG-N270	3.5" SBC with Intel® Atom™ N270 CPU, w/24-bit LVDS (P/N: E384832100)
	VGA/18/36-bit LVDS LCD, 10/100/1000Mbps, audio and MiniPCI Express
	VGA/24/48-bit LVDS LCD, 10/100/1000Mbps, audio and MiniPCI Express
	VGA/24/48-bit LVDS LCD, 2 10/100/1000Mbps, audio and MiniPCI Express

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs > 5.25" Petit

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix