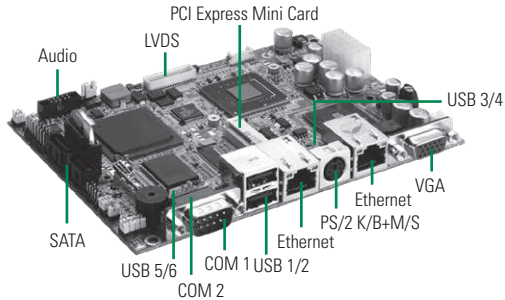


SBC84832

Intel® Atom™ N270 3.5" Embedded SBC with Intel® 945GSE + ICH7M Chipset, LVDS/VGA, DualView, 2 COM and Dual LANs



Fanless

Low Power

DualView

PCIe Mini

System

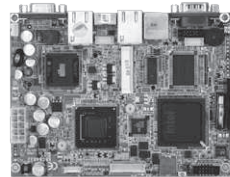
CPU	Intel® Atom™ processor N270 1.6 GHz onboard with FSB 533 MHz
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max. up to 2 GB
Chipset	Intel® 945GSE + ICH7M
BIOS	AMI
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2
Battery	Lithium 3V/220 mAh
Power Input	2 x 5-pin connector ATX standard power source AT Auto Power ON function supported
Power Requirements	Intel® Atom™ N270 @1.6 GHz, 1GB DDR2 Max. RMS: +5VSB @ 25.12mA, +5V @ 1.677A, +12V @ 184mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

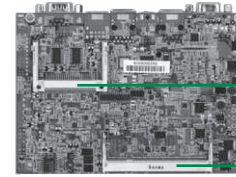
MIO	1 x PS/2 keyboard and mouse 2 x RS-232; with +5V/+12V powered
SATA	2 x SATA-150
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B (Standard version supports single LAN)
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 channels IN and 5 channels OUT

Features

- Intel® Atom™ processor N270 1.6 GHz with FSB 533 MHz
- Intel® 945GSE + ICH7M chipset
- With Intel® Gen 3.5 high performance integrated graphics controller for VGA and LVDS
- 6 USB 2.0 ports
- 2 COM ports
- PCI Express Mini Card expansion



▲ Top view



▲ Rear view

CF type-II

DDR2 SO-DIMM

Display

Chipset	Intel® GMA 950 graphics core
Memory Size	Intel® DVMT 3.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18-bit single channel (SBC84832VGA-N270 w/18-bit LVDS) 1 x LVDS; 18/24-bit single/dual channel (SBC84832VGGA-N270 w/24-bit LVDS; SBC84832VGA-N270 w/24-bit LVDS)

Packing List

Standard

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

Cable

Part Number	Description	Qty
593826A0000E	SATA single cable 500mm/ced	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180mm	1
59402010000E	ATX power cable 10P L=150mm	1

Optional

59382620000E	1 x COM cable w/ bracket P=2.0mm, L=300mm
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Ordering Information

Standard

SBC84832VGA-N270	3.5" SBC with Intel® Atom™ processor N270, VGA/18-bit LVDS, 10/100/1000Mbps Ethernet, 2 COM, 6 USB audio and PCI Express Mini Card (P/N: E384832102)
SBC84832VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, VGA/24-bit LVDS, 10/100/1000Mbps Ethernet, 2 COM, 6 USB audio and PCI Express Mini Card (P/N: E384832101)

Optional

SBC84832VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, VGA/24-bit LVDS, 2 10/100/1000Mbps Ethernet, 2 COM, 6 USB audio and PCI Express Mini Card (P/N: E384832100)
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SBC Services and Solutions

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

Embedded SBCs >PC-ITX

Embedded SBCs >PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix