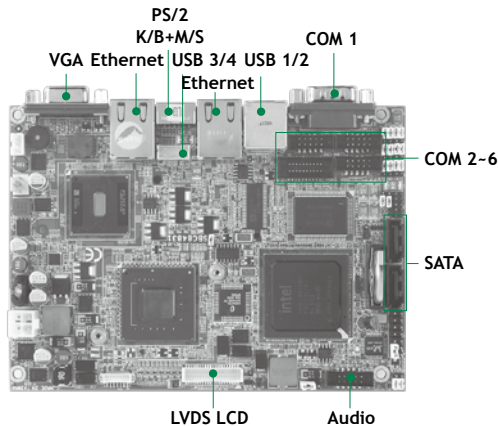


SBC84831

Intel® Atom™ N270 3.5" Embedded SBC with Intel® 945GSE + ICH7M Chipset, VGA/LVDS, DualView, 6 COM and Dual LANs



Atom™
Intel® 945GSE
6 COM
LVDS/VGA
4 USB 2.0
AC'97 Audio

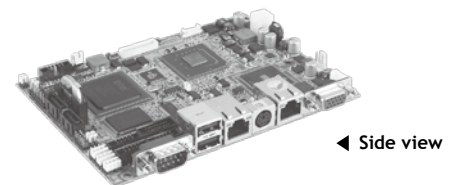
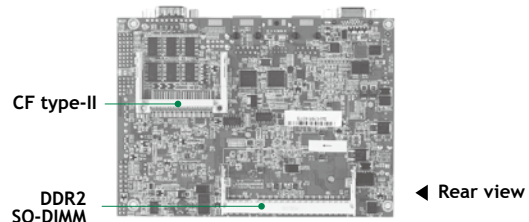
Features



- Intel® Atom™ processor N270 1.6 GHz onboard with FSB 533MHz
- Intel® 945GSE + ICH7M chipset
- With Intel® Gen 3.5 high performance integrated graphics controller for VGA and LVDS
- 4 USB 2.0 ports
- 6 COM ports
- +12V only supported

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 2GB
Chipset	Intel® 945GSE + ICH7M
BIOS	AMI
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	N/A
Battery	Lithium 3V/220 mAh
Size	146 x 104 mm
Operation Temperature	Standard: 0° C ~ +60° C (32° F ~ 140° F) Optional: -20° C ~ +70° C (-4° F ~ +158° F)
Operation Humidity	10% ~ 95% relative humidity, non-condensing



I/O

MIO	1 x PS/2 keyboard and mouse 6 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
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC203
USB	4 x USB 2.0 ports
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 channels IN and 5 channels OUT

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 (SBC84831VGGA-N270 w/18-bit LVDS) 1 x LVDS; 18/24-bit single/dual channel (SBC84831VGGA-N270 w/24-bit LVDS)

* W.T.: Wide Temperature

Packing List

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

Ordering Information

Standard	
SBC84831VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, w/ 18-bit LVDS VGA, 18-bit LVDS LCD, 2 10/100/1000Mbps, (P/N: E384831100) audio and CF
SBC84831VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, w/ 24-bit LVDS VGA, 24-bit LVDS LCD, 2 10/100/1000 Mbps, (P/N: E384831101) audio and CF
Optional/MOQ	
SBC84831VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, w/ 24-bit LVDS & WT VGA, 24-bit LVDS LCD, 2 10/100/1000 Mbps, (P/N: E384831111) audio, CF and W.T. (-20° C ~ +70° C)
SBC84831VGGA-N270	3.5" SBC with Intel® Atom™ processor N270, w/ 18-bit LVDS & WT VGA, 18-bit LVDS LCD, 2 10/100/1000 Mbps, (P/N: E384831110) audio, CF and W.T. (-20° C ~ +70° C)

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix