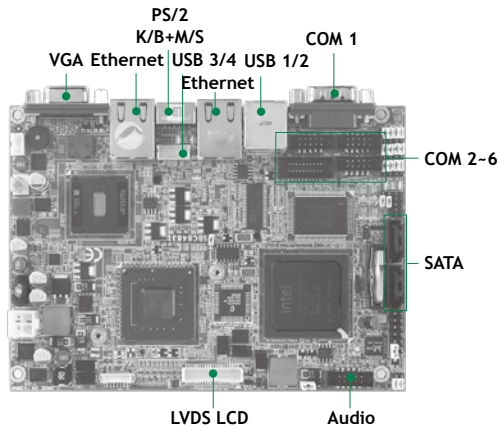


SBC84831

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 |

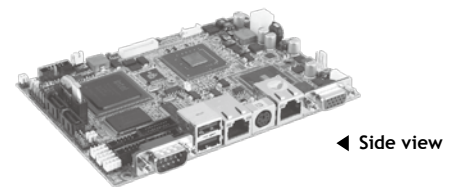
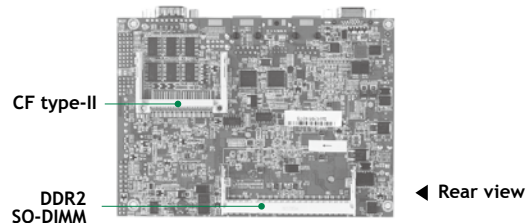
Features



- 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