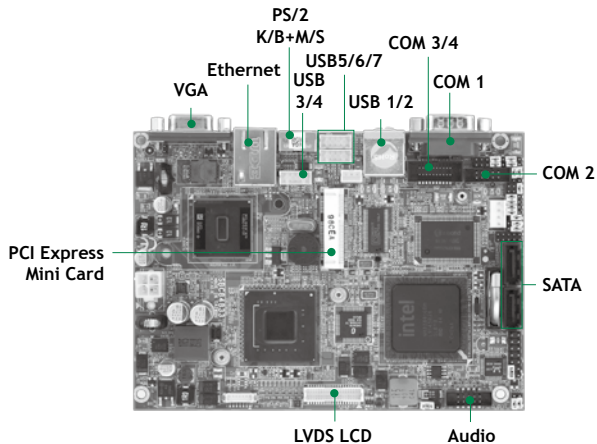


SBC84833

Intel® Atom™ N270 3.5" Embedded SBC with Intel® 945GSE + ICH7M Chipset, LVDS/VGA, DualView, 4 COM and Single LAN

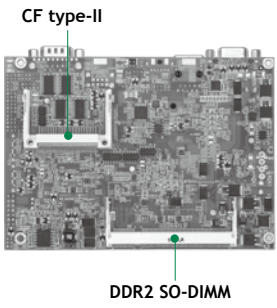


- Atom™ N270
- Intel® 945GSE
- 1 G.E.
- LVDS/VGA
- 7 USB 2.0
- PCI Express Mini Card
- CompactFlash™

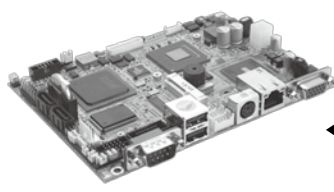


Features

- Intel® Atom™ processor N270 1.6 GHz with FSB 533 MHz
- Intel® 945GSE + ICH7M chipset
- With Intel® Gen 3.5 high performance integrated graphic controller for VGA and LVDS
- 7 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion
- +12V only supported



◀ Rear view



◀ Side view

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 | 1 x PCI Express Mini Card |
| Battery | Lithium 3V/220 mAh |
| Size/Weight | 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 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x RS-232/422/485 (COM 1); with +5V/+12V powered |
| SATA | 2 x SATA-150 |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Ethernet | 1 port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111DL |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662 |
| USB | 7 x USB 2.0 ports |
| TPM 1.2 | N/A |
| SMBus | System Management Bus for advanced monitoring/control |
| Digital I/O | 8 channels IN/OUT programmable |

* W.T.: Wide Temperature

Display

| | |
|-------------------|---|
| Chipset | Intel® GMA 950 graphics Core |
| Memory Size | Intel® DVM 3.0 compliant |
| Display Interface | 1 x VGA 1 x LVDS; 18-bit single channel (SBC84833VGA-N270 w/18-bit LVDS) 1 x LVDS; 18/24-bit single/dual channel (SBC84833VGA-N270 w/24-bit LVDS) |

Packing List

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

Ordering Information

| Standard | |
|---|--|
| SBC84833VGA-N270 w/ 24-bit LVDS (P/N: E384833100) | 3.5" SBC with Intel® Atom™ processor N270, VGA/24-bit LVDS LCD, 10/100/1000Mbps, audio, 4 COM, 7 USB and PCI Express Mini Card |
| SBC84833VGA-N270 w/ 18-bit LVDS (P/N: E384833101) | 3.5" SBC with Intel® Atom™ processor N270, VGA/18-bit LVDS LCD, 10/100/1000Mbps, audio, 4 COM, 7 USB and PCI Express Mini Card |
| Optional/MOQ | |
| SBC84833VGA-N270 w/18-bit LVDS & WT (P/N: E384833102) | 3.5" SBC with Intel® Atom™ processor N270, VGA/18-bit LVDS & ET, 10/100/1000Mbps, audio, 4 COM, 7 USB and W.T (-20°C - +70°C) |