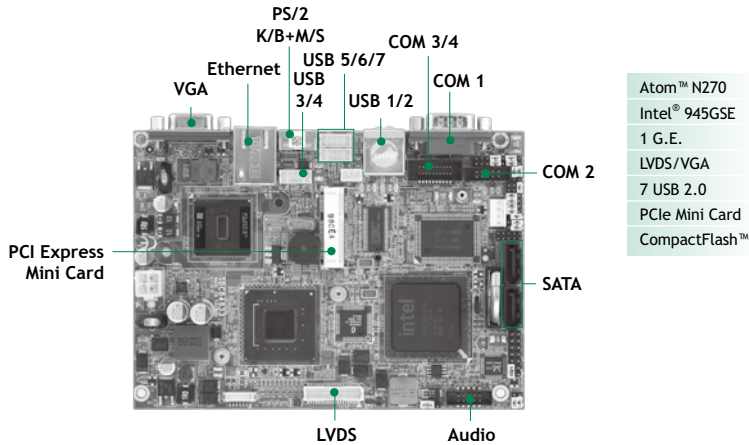


SBC84833

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
PCIe 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

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 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	Intel® Atom™ N270 @1.6 GHz, 1GB DDR2 Max. RMS: +12V @ 978mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0° C ~ +60° C (32° F ~ 140° F) Optional: -20° C ~ +70° C (-4° F ~ +158° F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

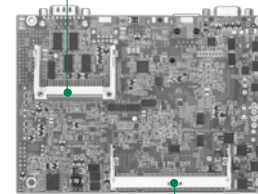
I/O

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
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable

Display

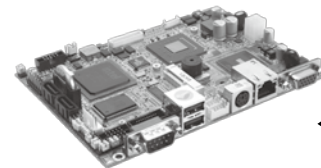
Chipset	Intel® GMA 950 graphics Core
Memory Size	Intel® DVM T 3.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18-bit single channel (SBC84833VGA-N270 w/18-bit LVDS) 1 x LVDS; 18/24-bit single/dual channel (SBC84833VGA-N270 w/24-bit LVDS)

CF type-II



◀ Rear view

DDR2 SO-DIMM



◀ Side view

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59380000300E	2 x COM w/ bracket P=1.27 x 2.54 L=300mm	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180mm	1

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 Ethernet, 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 Ethernet, 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 Ethernet, audio, 4 COM, 7 USB and W.T. (-20° C ~ +70° C)

* W.T.: Wide Temperature