SBC



ISA-588LF

ISA Intel® Atom™ N270 CPU Card w/VGA / Audio / LAN

Features :

- Intel® Atom™ N270 (1.6GHz) CPU on board
- Intel® 945GSE + ICH7M+ FWH (FSB：533MHz)
- 1 x 200-Pin DDR2 SO-DIMM, supports DDR2 400/533 up to 2GB
- Expansion slot for one PC/104
- Fanless Solution

RoHS Compliant

PROTECH SYSTEMS
It's the right choice

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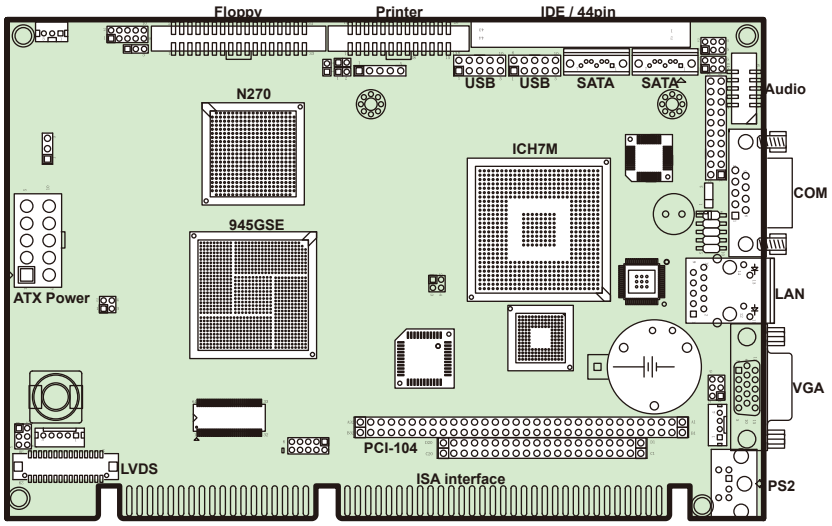
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intel Embedded and Communications Alliance Affiliate

ISO CERTIFIED 9001 14001

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ISA Intel® Atom™ N270 CPU Card w/VGA / Audio / LAN



Specifications

System

CPU Support	Intel® Atom™ N270 (1.6GHz) CPU on board
CPU Frequency	1.6GHz
Chipset	Intel® 945GSE + ICH7M (FSB: 533MHz)
DRAM	1 x 200-Pin DDR2 SO-DIMM, supports DDR2 400/533 up to 2GB
BIOS	Phoenix-Award PnP BIOS Memory size 8 Mbit
Watchdog	1~255 secs Watchdog timer selectable w / Reset / NMI
Power Supply	Support AT / ATX power
Power Requirement	+5V, +12V
Power Consumption	+5V: 5.4A/ +12V: 1A
Dimension	185 mm x 122 mm (7.28" x 4.8")
Certificate	FCC / CE

I/O Chipset

SATA Interface	2 x S-ATA II connector
IDE Interface	1 x IDE connector with 44-pin pin-header on board
SSD	1 x Compact flash slot (IDE)
FDD Interface	1 x FDD connector with 34-pin box-header
Expansion BUS	1 x PC/104
Serial Port	2 ports, 16550 UARTs RS-232 COM 1 for RS-232; COM 2 for RS-232/422/485
Parallel Port	1 x Parallel port (SPP / EPP / ECP)
IrDA	1 (SIR)
Keyboard	1 x Mini DIN connector
Mouse	1 x Mini DIN connector
LAN	Single port Intel® 82583V GbE support wake-on-LAN with ATX power
Audio	Support HD audio daughter board
DI/O	HD audio, Realtek ALC262
USB	4 x USB 2.0

Display

Graphics	Build-in Intel® 945GSE Supports CRT, LVDS
LCD Interface	18/36 bit LVDS

Environment

Operation Temp.	0° ~ 60° C (32° ~ 140° F)
Storage Temp.	- 40° ~ 85° C (- 40° ~ 185° F)
Humidity	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

Ordering Information

ISA-588LF	Half-size ISA CPU card w/ Intel® Atom™ N270 CPU VGA / LDVS / Audio/ LAN (GbE) / 2 x COM

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