

# SBC



## ISA-588LF

ISA Intel® Atom CPU half card w/VGA / Audio / LAN

### Features :

- Intel® Atom N270 (1.6GHz) CPU on board
- Intel® 945GSE + ICH7M+ FWH (FSB : 533MHz)
- 1 x 200-Pin DDR SO-DIMM, supports DDR2 400/533 up to 2GB
- Expansion PC/104
- Supports v1.0 SIR protocol



**PROTECH SYSTEMS**

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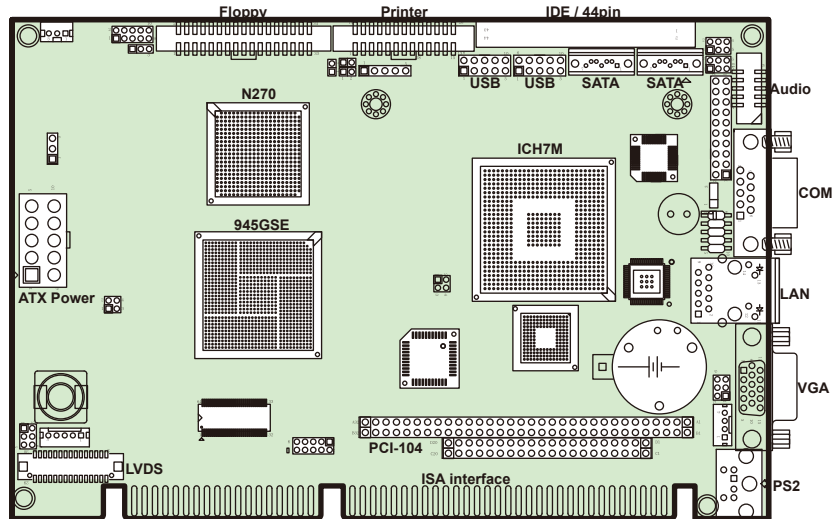


ISO CERTIFIED

9001 | 14001

# ISA-588LF

ISA Intel® Atom CPU half card w/VGA / Audio / LAN



## Specifications

System	
<b>CPU Type</b>	Intel® Atom N270 (1.6GHz) CPU on board
<b>CPU Frequency</b>	1.6GHz
<b>Chipset</b>	Intel® 945GSE + ICH7M
<b>DRAM</b>	1 x 200-Pin DDR.SO-DIMM, supports DDR2 400/533 up to 2GB
<b>BIOS</b>	Phoenix-Award PnP BIOS Memory size 8 Mbytes
<b>Watchdog</b>	1~255 secs Watchdog timer selectable w / Reset / NMI
<b>Power Supply</b>	Supports AT / ATX power
<b>Power Requirement</b>	+5V, +12V
<b>Power Consumption</b>	+5V, +12V, +3.3V, +2.5V/ 1.05, 1.5 VCore
<b>Dimension</b>	185mm x 122mm (7.28" x 4.8")

## I/O Chipset

<b>IDE Interface</b>	1 x IDE connector with 44-pin Pin header on board
<b>SATA Interface</b>	2 x SATA connector (2.0)
<b>CF</b>	1 x compact flash slot (IDE)
<b>FDD Interface</b>	1 x FDD connector with 34-pin Boxheader
<b>Bus Interface</b>	1 x PC/104
<b>Serial Port</b>	2 ports, 16550 UARTs RS-232 COM 1 for RS-232 COM 2 for RS-232/422/485
<b>Parallel Port</b>	1 x parallel port (SPP / EPP / ECP)
<b>IrDA</b>	1 (SIR)

<b>Keyboard</b>	1 x Mini DIN connector
<b>Mouse</b>	1 x Mini DIN connector
<b>LAN</b>	Single Port Lan 1 : Marvall 1000BaseT Ethernet supports Wake-on-LAN
<b>Audio</b>	2 Channel; AC '97 Codec. RealtekALC655 (Line-in, Line-out, Mic)
<b>USB</b>	4 x USB 2.0

## Display

<b>Graphic</b>	Build-in 945GSE Supports CR
<b>LCD Interface</b>	LVDS(2CH x18-bits) supports UXGA (1600 x 1200)

## Environment

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

## Ordering Information

<b>ISA-588LF C1600(230)</b>	ISA CPU card w Intel® CPUN270 / VGA / LAN (1000Mbps)
<b>ISA-588LF C1600(330)</b>	ISA CPU card w Intel® CPUN330 / VGA / LAN (1000Mbps)
<b>Certificate: CE, FCC, CLASS A</b>	

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