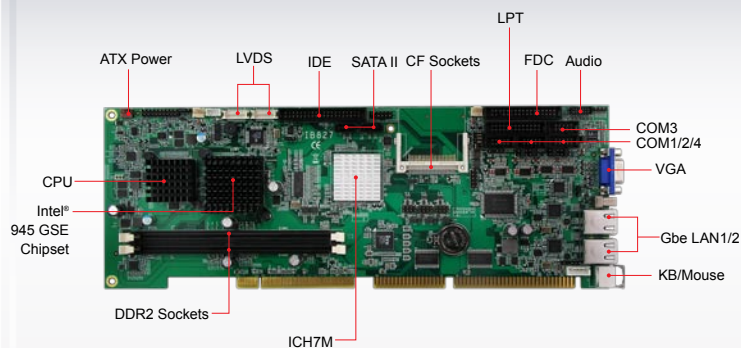




IB827



Features

- Intel® Atom™ processor N270, 1.6GHz
- 2x DDR2 DIMM, Max. 2GB
- 2x PCI-E Gigabit LAN
- Integrated graphics device, GMA950
- Supports 24-bit LVDS and CRT
- 2x SATA, 4x COM, 7x USB 2.0, Watchdog timer
- Digital I/O, ISA High Drive, optional Mini PCI-E socket



System

CPU Socket	Intel® Atom™ N270 processor, 1.6GHz
System Memory	2x DDR2 DIMM, Max. 2GB
System Chipset	Intel® 945GSE+ICH7M, 533MHz FSB
BIOS	Phoenix
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slot	Optional Mini PCI-E socket (solder side) for wireless LAN modules, etc.

Graphics

VGA Controller	Intel® 945GSE GMCH integrated graphics device (GMA950)
VGA Memory	Supports DVMT 3.0; Max. shared memory - 224MB
LCD Interface	Supports CRT and 24-bit dual channels LVDS interface, onboard Chronitel CH7308B for LVDS

LAN

LAN Controller	Realtek 8111C PCI Express Gigabit LAN, optional 2nd Gigabit LAN
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Winbond W83627EHG 1x IDE, 2x SATA, 1x LPT, 1x KB, 1x Mouse, 1x FDD, 1x IrDA, 1x RS-232, 1x RS-232/422/485 Optional 2x RS232
USB	7 ports on board (USB 2.0)
Audio	Built-in HD audio + HDA codec
Others	Digital I/O (4-in/4-out)

Mechanical and Environmental

Dimensions	338mm x 122mm (13.31" x 4.8")
Max. Power Requirement	Intel® Atom™ Processor N270 1.6GHz w/ 2x 1GB DDR2-667 +5V: 3.92A +12V: 0.44A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

IB827	Intel® Atom™ N270 onboard 945GSE Full-Size CPU card w/ VGA, LVDS and dual Gigabit LAN, 4xCOM, Mini PCI-E socket
IB827E	Intel® Atom™ N270 onboard 945GSE Full-Size CPU card w/ VGA, LVDS and single Gigabit LAN, 2xCOM

Remarks:

* Specifications are subject to change without prior notice.