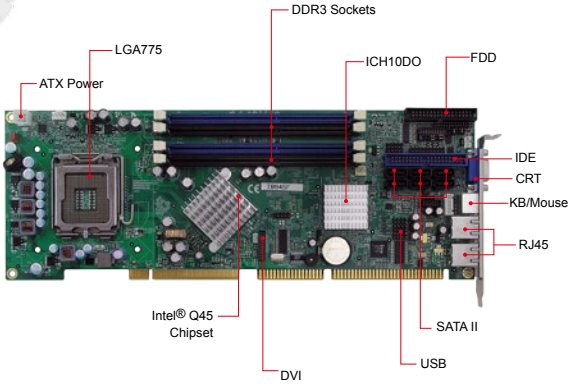
IB945

LGA775 Intel® Core™2 Quad / Core™ 2 Duo Full-Size CPU Card w/ Intel® Q45 Express Chipset

Intel® Core™2 Quad-Based



Features

- Supports Intel® Core™2 Quad / Core™2 Duo / Pentium® Dual-Core / Celeron® processors, 800MHz/1066MHz/1333MHz FSB
- 4x DDR3 DIMM, Max. 8GB
- Integrated graphics device, GMA4500
- With DVI and CRT support
- 2x PCI-E Gigabit LAN
- 6x SATA II, 2x COM, 6x USB 2.0, Watchdog timer
- Digital I/O, ISA High Drive, Mini PCI-E socket

Specifications

CPU Socket	LGA775 for Intel® Core™ 2 Quad/ Core™ 2 Dual / Pentium® Dual- Core / Celeron® processors
System Memory	4x DDR3 DIMM, Max. 8GB
System Chipset	Intel® Q45 + ICH10DO, 800/1066/1333MHz FSB
BIOS	Phoenix
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slots	Mini PCI-E socket (solder side) for wireless LAN modules, etc.
VGA Controller	Intel® Q45 GMCH integrated graphic device(GMA4500)
VGA Memory	Max. shared memory – 1GB
LCD Interface	Supports CRT; Chrontel CH7307C for DVI
LAN Controller	Intel® 82567 PCI-E Gigabit LAN and Intel® 82574L PCI-E Gigabit LAN
Connector	2x RJ-45 on board
I/O Chipset	Winbond W83627DHG 1x IDE, 6x SATA II, 1x LPT, 1x KB, 1x mouse, 1x FDD, 1x IrDA, 1x RS-232, 1x RS-232/422/485
USB	6 ports on board (USB 2.0)
Audio	Built-in high definition audio+ ALC888 codec
Others	Digital I/O (4-in/4-out) , ISA High Drive, Mini PCI-E socket
Dimensions	338mm x 122mm (13.31" x 4.8")
Max. Power Requirement	Intel® Core™2 Quad 9550 2.83GHz w/ 4x 2GB DDR3-1333 +5V: 7.93A +12V: 1.16A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

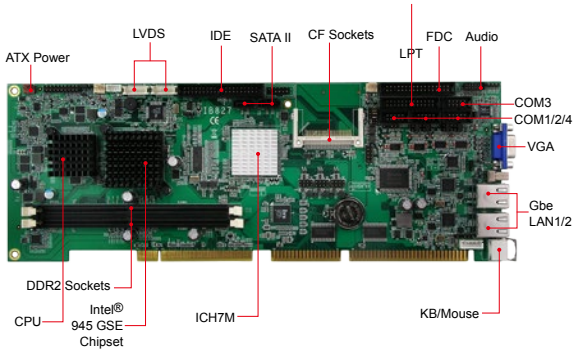
Ordering Information

IB945F	LGA775 Full-Size CPU card with VGA and dual Gigabit LAN
IP470	PICMG 1.0 Backplane w/ 12x PCI, 2x ISA

IB827

Intel® Atom™ N270 Full Size CPU Card Intel® 945GSE Chipset

Intel® Atom™-Based



Features

- Intel® Atom™ Processor N270, 1.6GHz
- 2x DDR2 DIMM, Max. 2GB
- 2x PCI-E Gigabit LAN
- Integrated graphics device, GMA 950
- 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

Specifications

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 Slots	Optional Mini PCI-E socket (solder side) for wireless LAN modules, etc.
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 Chrontel CH7308B for LVDS
LAN Controller	2x Realtek 8111C PCI Express Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Winbond W83627EHG 1x IDE, 2x SATA, 1x LPT, 1x KB, 1x mouse, 1x FDD, 1x IrDA, 3x RS-232, 1x RS-232/422/485
USB	7 ports on board (USB 2.0)
Audio	Built-in HD audio + HD codec
Others	Digital I/O (4-in/4-out)
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 (-4°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, 4x COM, Mini PCI-E socket
IP470	PICMG 1.0 Backplane w/ 12x PCI, 2x ISA

Remarks: 1. Specifications are subject to change without prior notice.
2. ODM/OEM is available