Half-Size

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CPU Cards

Socket P Half-Size PISA CPU Card w/ Intel® GM45 Express chipset | Intel® Core™2 Quad-Based

IB946 NEW

ATX Power — **Socket P** — **Digital I/O** — **COM1~4** — **LPT** — **IrDA** — **SATA II** — **KB/Mouse External Keyboard** — **USB** — **VGA** — **RJ-45**

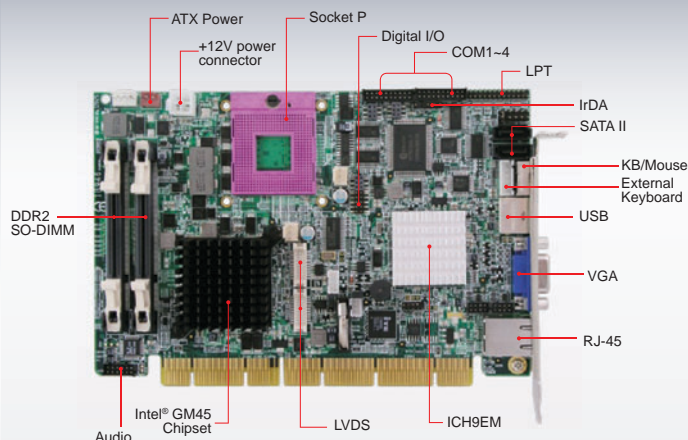**+12V power connector** — **DDR2 SO-DIMM** — **Intel® GM45 Chipset** — **Audio** — **LVDS** — **ICH9EM**

Features

- Supports Intel® Core™2 Quad / Core™2 Duo / Celeron® processors 667/800/1066MHz FSB
- 2x DDR2 SO-DIMM, Max. 4GB
- Supports dual display (CRT / LVDS)
- Intel® 82567LM Gigabit LAN
- 5.1CH HD Audio, CF socket, LAN Wakeup
- Watchdog timer, Digital I/O, PCI to ISA bridge
- 2x SATA II, 5x USB 2.0, 4x COM,1x ISA, 1x LPT
- 1x Mini PCI-E

| 6 USB | 4 COM | 2 SATA II | 1 GbE LAN |

System

CPU	Socket P for Intel® Core™2 Quad /Core™2 Duo / Celeron® processors
System Memory	2x DDR2 SO-DIMM, Max. 4GB
System Chipset	Intel® GM45 + ICH9M, 667/800/1066MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slot	1x Mini PCI-E

Graphics

VGA Controller	Intel® GM45 integrated GMA4500MHD
VGA Memory	Supports DVMT 5.0; Max. shared memory 1GB
LCD Interface	Supports CRT & 18-bit/24-bit dual channel LVDS

LAN

LAN Controller	Intel® 82567LM Gigabit LAN
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Winbond W83627EHG + Fintek F81216AD 1x LPT, 1x IrDA, 1x KB, 1x Mouse, 3x RS232, 1x RS-232/422/485, 2x SATA II (3.0Gb/sec.)
USB	1 port on board Pin header for 4 ports (USB 2.0)
Audio	Intel® built-in HD audio w/ Realtek ALC662 codec for 5.1CH
Others	ITE IT8888G PCI to ISA bridge (w/o ISA master), IrDA, Digital I/O (4-in/4-out)

Mechanical and Environmental

Dimensions	186mm x 129mm (7.32" x 5.08")
Max. Power Requirement	Intel® Core™2 Duo T9400 2.53GHz w/ 2x 2GB DDR2-800 +3.3V:0.24A +5V: 3.30A +12V: 1.92A
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

IB946	Socket P GM45 Half-Size CPU card with VGA, LVDS, CF, Mini PCI-E and 1x Gigabit LAN

Remarks:
* Specifications are subject to change without prior notice.