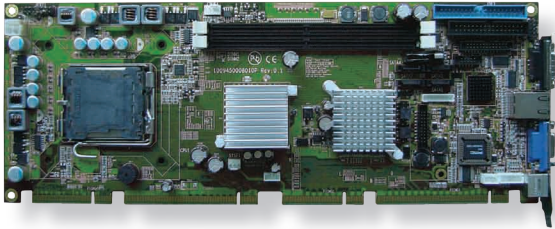




HiCORE-i945A

Intel® LGA775 Core™ 2 Duo/Pentium® D Full-size SBC



Features

- **PICMG 1.3 System Host Board (SHB Express)**
- Support Intel® LGA775 Core™ 2 Duo/Pentium® D Processor
- 2 x Dual Channels DDR2 Long-DIMM Sockets
- Multi-expansion (1 x PCIe x16, 4 x PCIe x1, 4 x SATA, 1 x CF, 8 x USB, 1 x PATA, 2 x Serial Ports, 1 x LPT, 1 x FDD, 1 x LPC Connector)

System

CPU	Intel® LGA775 Core™ 2 Duo/Pentium® D/Pentium® 4/Celeron® D CPU with 1066/800/533MHz FSB
Memory	2 x 240-pin Dual Channels DDR2 Long-DIMM Sockets supporting 667/533MHz SDRAM up to 4GB (for 64-bit OS)
Chipset	Intel® 945G + ICH7R (support RAID 0, 1, 5 and 10 function)
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 devices 4 x Serial ATA ports with 300MB/s HDD transfer rate 1 x CompactFlash Type II Socket 1 x Floppy disk drive
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x COM ports (2 x RS-232)
Parallel Port	SPP/EPP/ECP mode
Expansion Bus	Support PICMG 1.3 specification
KB/MS	1 x 6-pin Mini-DIN connector for Keyboard and Mouse (PS/2 standard via Y-cable)
Universal Serial Bus	6 x USB 2.0 ports 2 x USB 2.0 ports on the backEthernete (PBPE-10SA)

Ethernet

Chipset	1 x Intel® 82573V PCIe Gigabit Ethernet controller
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Audio

CODEC/Interface	One 1 x 9 wafer connector for AC97 Audio daughterboard
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Display

Graphics Chipset Integrated Intel® Graphics Media Accelerator 950

Mechanical & Environmental

Power Connector	ATX +12V input
Power Consumption	0.90A/5V, 4.12A/3.4V, 3.5A/12.03V (Max.)
Operating Temp.	0 ~ 50°C (32 ~ 122°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimensions (L x W)	338 x 122 mm (13.3" x 4.8")

Ordering Information

HiCORE-i945A	Socket LGA775 Intel® Core™ 2 Duo/Pentium® D full-size SBC
FCDB-1110	Realtek ALC655 AC97 Audio daughterboard Page 6-1
FCDB-1293	4 x COM ports, 8-bit digital I/O daughterboard Page 6-1
PBPE-10SA	PICMG 1.3 full-size Passive Backplane Page 11-16

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard Power Connector Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply