



HiCORE-i9451

Intel® LGA775 Core™ 2 Duo Full-size SBC

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Connector / Mounting Kit

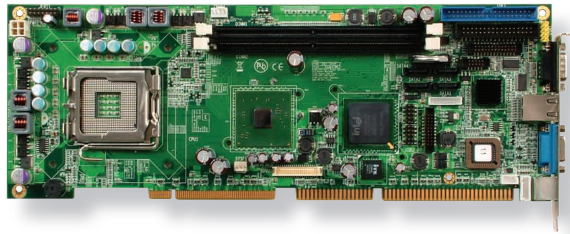
Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply



Features

- **PICMG 1.0 Specification**
- Support LGA775 Intel® Core™ 2 Duo/Pentium® D Processor
- 2 x DDR2 Long-DIMM Sockets
- Multi-expansion (4 x SATA, 6 x USB, 1 x LPT Port, 1 x Analog RGB Port, LPC Connector, and SDVO B/C Output Connector)

System

CPU	Intel® LGA775 Core™ 2 Duo/Pentium® D/Celeron® D CPU with 533/800/1066MHz FSB
Memory	2 x 240-pin Dual Channels DDR2 Long-DIMM Sockets supporting 533/667MHz SDRAM up to 2GB
Chipset	Intel® 945G + ICH7
Storage	1 x Ultra ATA , support 2 IDE 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
USB Port	6 x USB 2.0 ports
Expansion Bus	16-bit ISA + 32-bit PCI (doesn't support ISA master bus devices)
KB/MS	1 x 6-pin Mini-DIN connector for Keyboard and Mouse (PS/2 standard via Y-cable)

Ethernet

Chipset 1 x Intel® 82573V PCIe Gigabit Ethernet controller

Audio

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

Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950 Support dual displays (Analog RGB + DVI) by FCDB-1225
SDVO Interface	Analog RGB, DVI, TV-out optional while with FCDB-1225

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-i9451VLG R2.0	Socket LGA775 Intel® Core™ 2 Duo/Pentium® D full-size SBC
FCDB-1110	Realtek ALC655 AC97 Audio daughterboard Page 6-1
FCDB-1225	TV-out, Analog RGB, DVI daughterboard Page 6-1
FCDB-1293	4 x COM ports, 8-bit digital I/O daughterboard Page 6-1
PICMG 1.0 Passive Backplane Series	Page 11-15

All specifications are subject to change without notice.