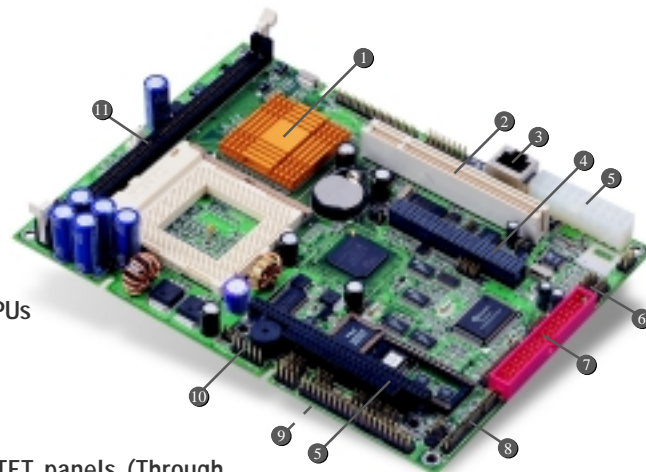


PCM-6896

FC/Socket 370 Compact Board

with LCD, Ethernet, Audio, AGP 2X, SSD/Compact Flash, PC/104, PC/104 Plus, and 4 USB Ports

- | | |
|-------------------------------------|--|
| 1 Intel® 815E Chipset | 7 IDE Connector (ATA 100) |
| 2 PCI expansion slot | 8 FDD Connector |
| 3 100Base-T Fast Ethernet Connector | 9 Socket for Compact Flash (Back) |
| 4 PC/104 & PC/104+ Connector | 10 IR Connector |
| 5 ATX Power Connector | 11 168Pin DIMM Socket up to 256MB (PC-100/133 supported) |
| 6 LAN LED Connector | |



Features

- Supports both Intel® FC-370 Pentium® III and Celeron™ CPUs
- High Speed AGP 2X for VGA display
- One 10/100Base-T Fast Ethernet
- Supports H/W status monitoring
- Integrated AC-97 2.1 SoundBlaster compatible 3D Audio
- Onboard Intel 815E controller supports 18/24/36/48-bit TFT panels (Through DVI/DVO module)
- Supports both DiskOnChip® (SSD) and Compact Flash data storage
- DVI/DVO interface onboard
- Four USB Ports

Specifications

General Functions

CPU	Intel® FC-370 Pentium® III and Celeron™ CPUs (with system bus frequencies of 66/100/133 MHz)
CPU type	Intel® Socket 370
BIOS	Award 2 MB FLASH BIOS
Chipset	Intel® 815E
I/O Chipset	ITE-8712. Fully 16-bit I/O decoded. Winbond 83977EF as 2 nd SIO for COM3, COM4 port
ISA bus interface	Winbond W83626 LPC to ISA bridge
Memory	Onboard One 168-pin DIMM socket supports up to 256MB SDRAM (PC -100/133 supported)
Enhanced IDE	Supports two IDE devices. Supports Ultra DMA/100 mode with data transfer rate up to 100 MB/sec.
FDD interface	Supports up to two floppy disk drives, 5.25" (360 KB and 1.2 MB) and /or 3.5" (720 KB, 1.44 MB and 2.88 MB)
Parallel port	One bi-directional parallel port. Supports SPP, ECP, and EPP modes
Connector	One 13*2 2.0mm pin header
Serial port	Three RS-232 serial ports, can be configured as COM1, COM2, COM3, COM4, or disabled individually and one RS-232/422/485 (COM2). And either COM1, COM2 can be S/W configurable to support Ring wake up function and COM3, COM4 provide the option to select 12V/RING function by jumper setting (16C550 equivalent)
IR interface	One IrDA Tx / Rx header supports (FIR/SIR, IrDA 1.0 spec)
KB/PS2 Mouse connector	A 7-pin (4*2-1) pin header supports PC/AT Key board PS/2 mouse and Wake on KBD function
USB connectors	Two 5 x 2 header onboard supports four USB ports
Front Panel Connector	Provide the signals of RSTIN, HDD LED, Buzzer and Intrude Alarm input
GPIO port	Support 4 general purpose I/O each with TTL level interface
Battery	Lithium battery for data retention
Watchdog timer	Can generate a system reset, IRQ15 or NMI. Supports Win95, Win3.1 Software selectable time-out interval (1 sec. ~ 255 min., 1 min./step)
DMA	7 DMA channels (8237 equivalent)
Interrupt	15 interrupt levels (8259 equivalent)
Power management	Supports AT/ATX power supply. I/O peripheral device support power saving and doze/standby/suspend modes. APM 1.2 compliant
H/W status monitoring	Embedded in ITE 8712 supports power supply voltages and temperatures monitoring

Flat Panel/CRT Interface

VGA Chipset	Intel® 815E
Display memory	Share system memory up to 4 MB (MAX)
Display type	Supports non-interlaced CRT and upto 18/24/36/48-bit LCD (TFT LCD only). Can display both CRT and Flat Panel simultaneously. Requires either TTL, Panel Link or LVDS modules
Resolution	Up to 1024 X 768 @ 256 K colors

Audio Interface

Chipset	Intel® 815E (AGP 2X)
Codec	ALC 200
Interface	One 7 X 2 Pin 2.0mm pin header (pin assignment same as GENE-4310) for MIC_In, LINE_In/Out, SPK_Out, CD_In

Ethernet Interface

Chipset	Intel® 815E (Built-in)
Ethernet interface	One 10/100Base-T RJ-45 connector

SSD Interface

One 32-pin DIP socket supports M-Systems DiskOnChip® 2000 series up to 288MB

CFD interface

One Compact Flash Socket supports data storage

Digital I/O Interface

Onboard offering one pin header 4*2 pin 2.00mm

Expansion Interface

PC/104 & PC/104 Plus connectors	One 16-bit 104-pin and one 32-bit 120-pin connectors onboard for expansion.
PCI slot	One 32-bit PCI slot onboard

Mechanical and Environmental

Power supply voltage	+5 V (4.75 V to 5.25 V), +12 V (11.4 V to 12.6 V), +3.3 V, -5 V, -12 V, -3.3 V
Operating temperature	32 to 140° F (0 to 60° C)
Board size	8" (L) x 5.75" (W) (203 mm x 146 mm)
Weight	1.2 lb. (0.5 Kg)

* Please refer to our website for detailed power consumption information.

Note: Supports WOL and optionally supports Alarm on Lan (AOL).