

HS-870PCM6 -- with Intel ULV Celeron M 600 MHz --

Onboard Intel® Celeron M 600MHz @400MHz FSB uFCBGA CPU with Intel® 852GM & ICH4, 1 GB DDR SDRAM, Gigabit Ethernetport , 2 x USB 2.0, 2 x COM, 1 x Parallel, AC97 3D Audio, CompactFlash Interface, 8-bit Digital I/O , 24-bit Dual LVDS



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Overview

COMMELL's Half-size PISA(PCI+ISA) platform HS-870PCM6 based on Intel® 82852GM and 82801DB Chipset, which offers a highly integrated low power, high performance chipset solution that has been optimized to On-board Intel® Celeron® M 600MHz processor. Meanwhile, the Low voltage and Ultra Low voltage version supports on HS-870PCM6. The low voltage and Ultra Low voltage version allows you operate the system in the most tough environment. The HS-870PCM6 supports high speed DDR266 memory providing maximum capacity 1GB, integrated graphics controller with Intel® Extreme Graphics 2 dual independent displays , The integrated display controller comes with up to 64 MB of dynamic video memory allocation and Single- or Dual-channel LVDS panel support up to SXGA+ panel resolution.

The HS-870PCM6 comes with floppy, PS/2 Keyboard and Mouse, 2 x RS232C, 1 x Printer port, UltraATA 100 EIDE and IrDA interface on-board, Networking is provided by Intel® 82541PI Gigabit Ethernet LAN. 2 x USB2.0 ports for 40X faster data transfer rate and backward compatible to support USB 1.0 devices and AC97 3D Audio are also integrated. Additionally, HS-870PCM6 is also equipped with CompactFlash Interface for easily using any memory card.

The COMMELL HS-870PCM6 is designed to meet the needs of applications that require extraordinary computing performance, reliability and other tough environment with low power consumption processor, which also well supports with the Windows 2000/XP,

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Feature

- **CPU:** Onboard Intel® ULV Celeron M 600MHz @400MHz FSB uFCBGA
- **Memory:** 1 x 184 pin DDR DIMMs support up to 1.0GB DDR 266 SDRAM. ECC supported.
- **Chipset:** Intel® 8252GM and 82801DB.
- **VGA Interface:** Intel® Extreme Graphics 2 Technology.
- **LVDS Interface:** Dual channel 24-bit interface for LVDS.
- **Enhanced IDE:** dual Channels support 4 ATAPI devices up to Ultra DMA 33/66/100 mode with data transfer rate up to 100MB/s.
- **LAN Interface:** Intel® 82541PI Gigabit Ethernet Controller.
- **Audio:** Realtek ALC201A AC97 3D audio interface.
- **USB:** 2 Hi-Speed USB 2.0 interface with up to 480 Mbps of data transfer rate.
- **I/O Ports:** 2 serial ports, 1 parallel port, IrDA, FDD, PS/2 keyboard and mouse ports.
- **Solid State Disk:** On board CompactFlash Type-II socket.
- **Digital I/O:** Supports 8 bit digital I/O.
- **Watchdog:** Software configurable, 1s.....255s / 1ms.....255 ms.

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Specification

Form Factor	Hall-size PISA-bus CPU Card / Slot PC with 32-bit PCI and 8/16-bit ISA bus interfaces
CPU	Onboard Intel® ULV Celeron M 600MHz @400MHz FSB uFCBGA CPU
Memory	1x184 pin DDR DIMMs to support up to 1.0GB DDR266 SDRAM Supports unbuffered ECC memory.
Chipset	Intel® 82852GM & ICH4

Watchdog Timer	256-level generates system reset programmable watchdog timer
Real Time Clock	Intel® ICH4 integrated RTC with onboard lithium battery
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU, RTC alarm, Software shutdown, Wake on LAN
PCI Enhanced IDE	Supports two IDE channels & up to four IDE drivers Supports "Ultra DMA 33/66/100"
VGA Interface	Intel® 852GM GMCH built-in 256bit 2D/3D VGA controller, Dynamicvideomemory up to 64MB, Supports one external D-sub 15-pin connector & one internal 2x8-pin header
LVDS	Supports up to 24-bit Dual LVDS TFT LCD panel Inverter connector on board
LAN Interface	Intel® 82541PI Gigabit Ethernet Controller.
Audio Interface	Intel® ICH4 built-in AC97 3D audio controller with ALC201A
Multi-I/O Port	1 Floppy connector, 1 Printer port, 2 RS232 port, 1 SIR connector, 2 USB 2.01 Y-type cable to support PS2 Keyboard & PS2 mouse, 1 AT keyboard connector
Solid State Disk	Onboard Compact Flash Type-II socket
Environment	+5V & +12V DC input from backplane. Operation Temperature: 0 ~ 60oC (32 ~ 140oF)