

# Industrial Single Board Computer

## Half-size PISA CPU Card

### HS-870P

#### Half-size Pentium M CPU Card

Intel Pentium M socket479 with DDR333

Onboard VGA, Gigabit LAN, Compact Flash

LVDS, USB2.0



<b>Form Factor</b>	Half-size PISA bus CPU Card
<b>CPU</b>	Intel Socket479/BGA479 for Pentium M / Celeron M processor
<b>Memory</b>	1 x DDR266/333 SDRAM up to 1GB
<b>Chipset</b>	Intel 82855GME and ICH4
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min ~ 255min
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode with ATX PSU
<b>PCI Enhanced IDE</b>	Dual UltraATA/100 IDE channels up to 4 ATAPI devices Onboard 40-pin IDE1 connector & 44-pin IDE2 connector
<b>VGA Interface</b>	Intel 855GME integrated Extreme Graphic 2 Technology
<b>Video Memory</b>	Up to 64MB shared with system memory
<b>LCD interface</b>	24-bit dual channel LVDS interface up to 1600 x 1200 of resolution
<b>Audio Interface</b>	Intel ICH4 integrated with Realtek ALC201A AC97 Codec
<b>LAN Interface</b>	Intel 82540EM Gigabit Ethernet Controller
<b>Solid State Disk</b>	1 x Compact Flash Socket IDE1 supports DiskOnModule with +5V power supply
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Internal I/O Port</b>	1 x internal parallel and IrDA ports and 1 x 5-pin LCD inverter connector 2 x USB 2.0 ports, 1 x FDD port and 1 x RS232 serial port 1 x onboard 5-pin AT keyboard port
<b>External I/O Port</b>	1 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port 1 x RS232 Serial Port
<b>Power Requirement</b>	+5V, +12V DC input
<b>Board Dimension</b>	185 x 127 mm (L x W)
<b>Operation Temperature</b>	0 ~ 60 °C (32 ~ 140 °F)
<b>Ordering Code</b>	<b>HS-870P</b> Intel Pentium M Half-size <b>PISA Bus</b> CPU Card with onboard VGA, Gigabit LAN, USB 2.0 Ports, Audio, LVDS, RS232 serial port, Compact Flash Socket

Online product information detail and updates are available at [www.commell.com.tw](http://www.commell.com.tw)

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