

# Industrial Single Board Computer

## Half-size PISA CPU Card

### HS-870PZ

Onboard Intel Celeron M 600Mhz,  
DDR266 Memory, Onboard VGA,  
Gigabit LAN, Compact Flash  
LVDS, USB2.0, AC97 Audio



|                              |   |
|------------------------------|---|
| <b>Form Factor</b>           | Half-size PISA bus CPU Card   |
| <b>CPU</b>                   | Onboard Intel Celeron M 600MHz with none L2 Cache   |
| <b>Memory</b>                | 1 x DDR200/266 SDRAM up to 1GB  |
| <b>Chipset</b>               | Intel 82852GM 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<br>Onboard 40-pin IDE1 connector & 44-pin IDE2 connector   |
| <b>VGA Interface</b>         | Intel 852GM 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 1400 x 1050 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<br>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<br>2 x USB 2.0 ports, 1 x FDD port and 1 x RS232 serial port<br>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<br>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-870PZ</b> Half-size <b>PISA Bus</b> CPU Card with onboard Intel Celeron M 600MHz, 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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