

# Industrial Single Board Computer

## Full-size PICMG CPU Card

### FS-97A

#### Full-size Pentium M CPU Card

Intel Pentium M socket479 with DDR333

Onboard VGA, Gigabit LAN, Compact Flash

Mini-AGP, LVDS, USB2.0



|                              |  |   |
|------------------------------|--|---|
| <b>Form Factor</b>           | Full-size PICMG CPU card with ISA 64mA High Drive  |   |
| <b>CPU</b>                   | Intel Socket479/BGA479 for Pentium M / Celeron M processor   |   |
| <b>Memory</b>                | 2 x DDR266/333 SDRAM up to 2GB   |   |
| <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   |   |
| <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 82562ET 100Mbps Ethernet Controller<br>Optional secondary 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>Extended Interface</b>    | 1 x Onboard Mini-AGP socket  |   |
| <b>Internal I/O Port</b>     | 1 x internal parallel and IrDA ports and 1 x 5-pin LCD inverter connector<br>4 x USB 2.0 ports, 1 x FDD port and 2 x RS232 serial port<br>1 x onboard 5-pin AT keyboard port |   |
| <b>External I/O Port</b>     | 2 x RJ45 LAN ports for dual LAN version, 1 x DB15 VGA port and 1 x PS/2<br>Keyboard/Mouse Port, 1 x RS232 Serial Port for single LAN version                                 |   |
| <b>Power Requirement</b>     | +5V, +12V DC input   |   |
| <b>Board Dimension</b>       | 338 x 122 mm (L x W)   |   |
| <b>Operation Temperature</b> | 0 ~ 60 °C (32 ~ 140 °F)  |   |
| <b>Ordering Code</b>         | <b>FS-97AVL</b>  | Intel Pentium M Full-size CPU Card with onboard VGA, LAN, USB 2.0 Ports, Audio, LVDS, RS232 serial port, Mini-AGP, Compact Flash Socket |
|                              | <b>FS-97AVL2</b>   | Same as above and with secondary Gigabit LAN  |

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

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