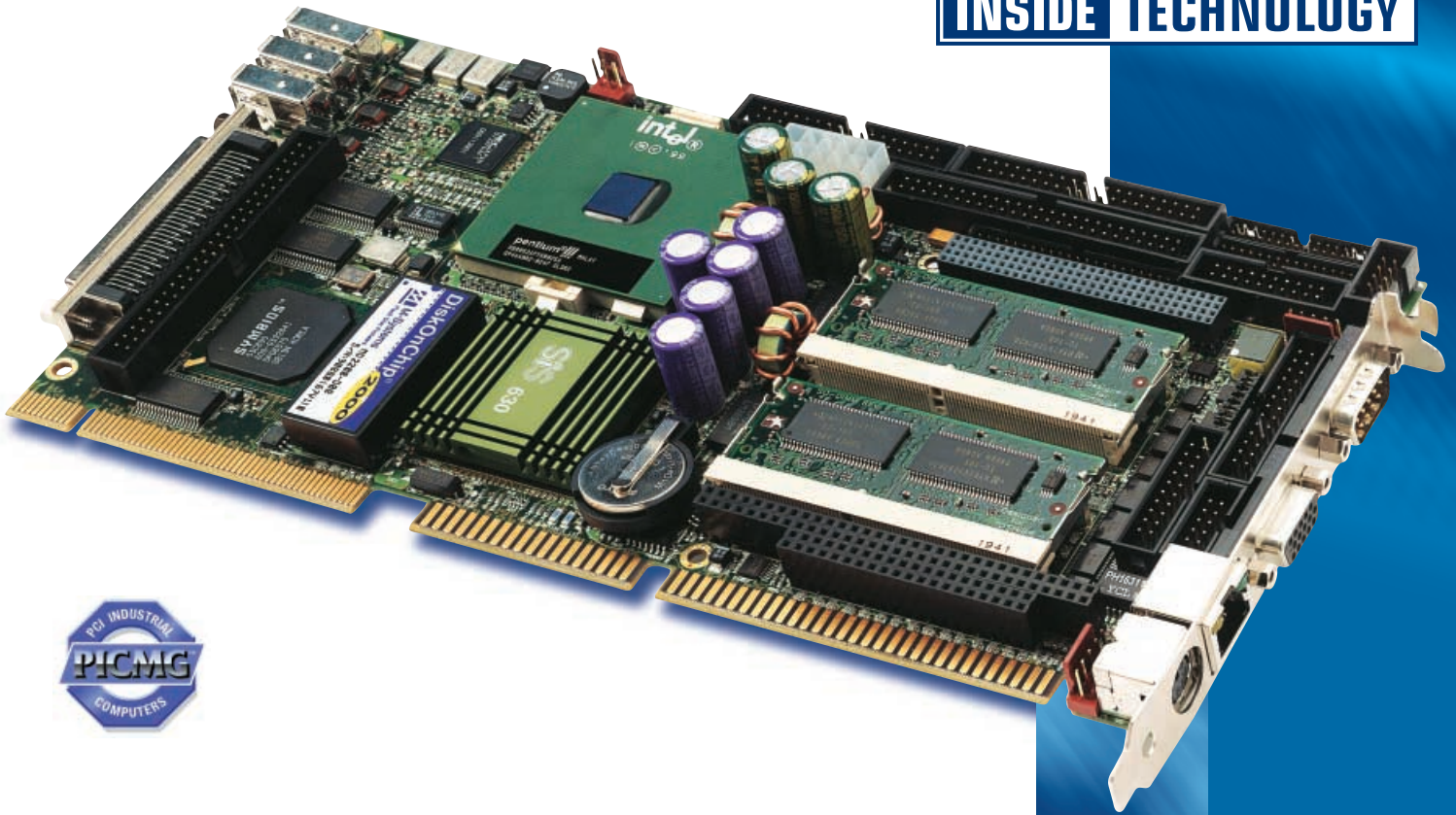


INSIDE TECHNOLOGY



# 786LCD/MG

## DVD/MPEG2 decoding and IEEE 1394

The most Advanced and Powerful PICMG Single Board Computer in the Market.  
Ideal for High-End Embedded Multimedia Applications.

- Socket 370 Pentium III and Celeron Processor
- Highly integrated SiS630 Chipset
- 128-Bit Graphic Controller with up to 64 MB UMA VRAM
- Flat Panel Display and Dual CRT Support
- PanelLink, DVI and TV-Out Support
- 10/100Base-T Fast Ethernet Controller
- Compact Flash and DiskOnChip Support
- 3x RS-232C, 1xRS-485, 5x USB and 1x IrDA
- Virtual AC-3, SP/DIF and Sound Blaster Pro 16 Compatible
- Hardware accelerated DVD/MPEG2 Decoding
- IEEE1394, 400Mbit/sec 2 Channels
- Ultra 2 SCSI, 80MB/sec

# Technical data - 786LCD/MG

**Processor:** Socket 370 Intel Pentium III and Celeron processor up to 1 GHz and higher.

**Chipset:** Highly integrated SiS 630 Chipset.

**BIOS:** Phoenix BIOS with INSIDE Technology Utility Extension and Secure-CMOS function.

**Power Management:** APM ver. 1.2 and ACPI 1.0.

**Bus:** ISA, PC/104 and PCI.

**ISA Hi-Drive:** Support for multiple ISA devices, 24 mA.

**SDRAM:** Two 144 pin SODIMM sockets with up to 1 GB SDRAM.

**Graphic:** 128-Bit 2D/3D accelerated graphic controller with up to 64 MB shared video memory (UMA) and INSIDE Technology Display Selection Menu.

**Resolution:** Up to 1920 x 1200 in 16 mill. colours.

**Displays:** CRT, TFT and Plasma.

**Display output:** CRT1, CRT2 (independent of CRT1) \*, TV-Out \* (S-Video and Composite in PAL/NTSC), PanelLink, DVI, DFP & LVDS. \*\*

**DVD/MPEG2:** Hardware accelerated DVD/MPEG2 decoding with direct TV-Out. \*

**HDD Ctrl.:** Ultra DMA 66 IDE, ATA 66 compliant. Secondary interface for 2½" HDD support. Support for up to 4 IDE devices.

**FDD Ctrl.:** 2x 3½" 1.44 MB or 2.88 MB.

**Parallel port:** Bi-directional Centronics with ECP or EPP mode.

**Serial port:** 4x RS-232C or 3x RS-232C and 1x RS-485/422 NS16C550 serial ports, 16 byte FIFO buffer.

**Ethernet:** 10/100Base-T Fast Ethernet.

**USB:** Universal Serial Bus, 2 Channels on board, 1.5 Mbps and 12 Mbps. Up to 5 USB channels. \*\*

**IrDA:** Infrared Data Communication, 4 Mbps.

**Flash Disk:** Compact Flash and M-Systems DiskOnChip support.

**IEEE 1394:** 400Mbit/sec, 2 Channels.

**SCSI:** Ultra 2 SCSI, 80MB/sec.

**Watchdog:** Supervision of supply voltage and SW execution.

**Monitoring:** Processor temperature and fan supervision.

**Keyboard:** Standard PS/2 mini DIN connector and pin header.

**Mouse:** Standard PS/2 pin header.

**Sound:** Sound Blaster Pro 16, virtual AC-3 Surround Sound and SP/DIF compatible. \*

**Speaker:** On board with connector for external speaker.

**Battery:** On board Lithium with connector for external Battery.

**Supply:** +5V only.

**EMI:** In accordance with EN550022 and EN55082.

**Operating temperature:** 0° - 60° C

**Dimensions:** ¾ Size, 250 mm x 122 mm (9.8" x 4.8").

\* Requires Extension Module.

\*\* Prepared for. Requires development of Extension Module.

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INSIDE Technology A/S reserves the right to make changes without further notice.

Note: Photo is not matching technical data.

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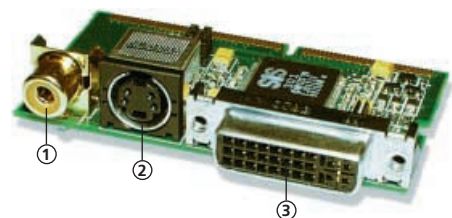
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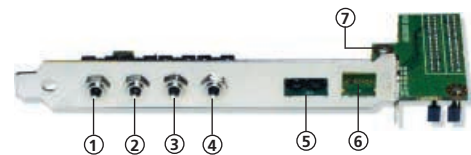
## 786LCD with DVI / TV-Out

With the unique Video and Audio Extension Modules multiple applications can be realised. These Modules are mounted on the front or backside of the 786LCD/MG.



### DVI / TV-Out Module

1. CVBS for Video Output
2. S-Video for Video Output
3. DVI Interface for Flat Panel and 2nd CRT



### Sound / SP/DIF / IrDA Module

1. Line-in
2. Line-out
3. Microphone
4. Speaker-out, 200 mW
5. IrDA, 4 Mbps
6. SPDIF, Surround sound with virtual AC-3
7. CD-ROM audio input