

INSIDE TECHNOLOGY



786LCD/S

DVD/MPEG2 decoding and Compact Flash

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

- Socket 370 Pentium III and Celeron Processor
- Highly Integrated SIS 630 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
- 3x RS-232C, 1x RS-485, 5x USB and 1x IrDA
- Virtual AC-3, SP/DIF and Sound Blaster Pro 16 Compatible
- Hardware Accelerated DVD/MPEG2 Decoding

Technical data - 786LCD/S

Processor: Socket 370 Intel Celeron and Pentium III 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, PC/104+ and PCI.

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

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

Graphic: 128-Bit 2D/3D accelerated graphic controller with up to 64 MB shared video memory (UMA).

Resolution: Up to 1920 x 1200 in 16 mill. colors.

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* playback.

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 & 1x RS-485/422 NS16C550 serial ports with 16 byte FIFO buffer.

Ethernet: 10/100Base-T Fast Ethernet.

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

IrDA: Infrared Data Communication, 4 Mbps.

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

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 option.

Battery: On board Lithium, with connector for external Battery option.

Supply: +5V only.

EMI: In accordance with EN550022 and EN55082.

Operating temperature: 0° - 60° C.

Dimensions: Half-Size, 190 mm x 122 mm (7.4" x 4.8").

* Requires Extension Module.

** Prepared for. Requires development of Extension Module.

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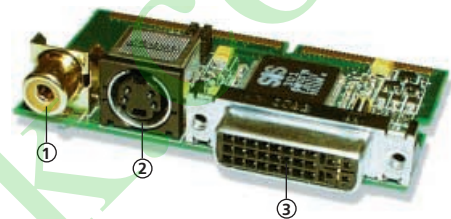
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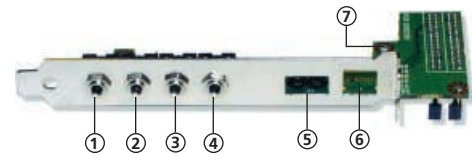
786LCD with DVI / TV-Out

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/S.



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

EXTENSION MODULES

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