

INSIDE TECHNOLOGY



786LCD/3.5"

Socket 370 Pentium III DVD/MPEG2 decoding

The most Advanced and Powerful 3.5" Single Board Computer in the Market.
Ideal for High-End Embedded Multimedia Applications.

- Socket 370 Intel Pentium® III and Celeron™ Processor
- 128Bit 2D/3D Hardware Accelerated Graphics Controller
- Up to 64 MB Shared Video Memory
- Flat Panel Display Support
- 10/100Base-T Fast Ethernet
- PC/104+ and LPC Bus
- Compact Flash Socket Type I + II
- Virtual AC-3, SPDIF and Sound Blaster 16 Compatible
- Hardware Accelerated DVD/MPEG2 Decoding

Technical data - 786LCD/3.5"

INSIDE TECHNOLOGY

Processor: Socket 370 Intel Pentium® III and Celeron™ processor up to 1GHz or higher

Chipset: Highly integrated SiS 630 Chipset

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

Power Management: APM 1.2 and ACPI 1.0

Bus: PC/104+ and LPC (Low Pin Count) for ISA bus access

SDRAM: One PC100/PC133 144-pin SO-DIMM sockets up to 512 MB

Graphics: 128Bit 2D/3D hardware accelerated graphics controller with up to 64 MB shared video memory (UMA)

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

Displays: Plasma*, TFT* and CRT1

Graphic Modules (Options): PanelLink Module, LVDS Module, 50 Pin LCDconnect Module, DVI / TV-Out Module incl. CRT2 (independent of CRT1) and S-Video / Composite (PAL/NTSC)

DVD/ MPEG2: Hardware accelerated DVD/MPEG2 decoding

HDD Controller: Ultra DMA IDE, ATA 66 compliant. Secondary interface for 2.5 HDD drive. Support for up to four IDE devices

FDD Controller: Two 3.5" 1.44 or 2.88 MB

Parallel Port: Bi-directional Centronics with ECP or EPP mode

Serial Port: Two RS-232C, NS16C550 serial ports with 16 byte FIFO buffer

Ethernet: 10/100Base-T Fast Ethernet

IrDA: Infrared Communication, 4Mbps

USB: Universal Serial Bus, up to 5 channels

Flash Disk: Compact Flash Disk socket for type I and II

Watchdog: Supervision of supply voltage and SW execution

Monitoring: Processor temperature and fan rotation

Keyboard/Mouse: One standard PS/2 mini DIN connector and two pin headers for mouse and keyboard

Sound: SB Pro 16 compatible, Virtual AC-3 Surround Sound and SPDIF**

Battery: On board Lithium with connector for external battery

Power Supply: ATX

EMI: In accordance with EN550022 and EN55082

Operating Temperature: 0°- 60° C

Dimensions: 3.5" Format - 102mm x 147mm

* Requires Graphic Module

** Requires Sound / SPDIF / IrDA Module

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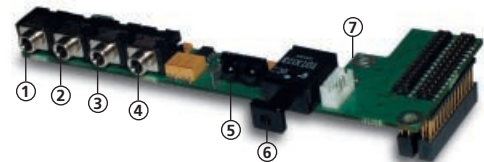
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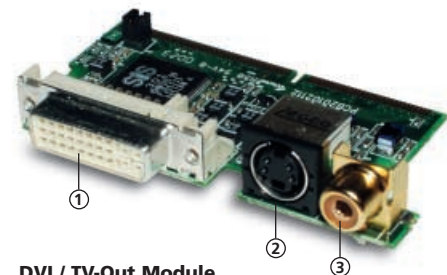
786LCD/3.5" with Extension Modules

With the unique Extension Modules multiple applications can be realised. These modules are mounted on the front and backside of the 786LCD/3.5"



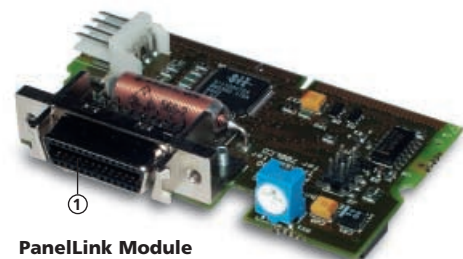
Sound / SPDIF / IrDA Module

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



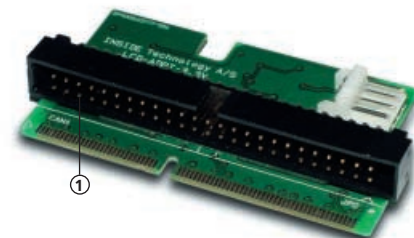
DVI / TV-Out Module

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



PanelLink Module

1. PanelLink Connector 26 Pin



50 Pin LCDconnect Module

1. LCD Connector 50 Pin