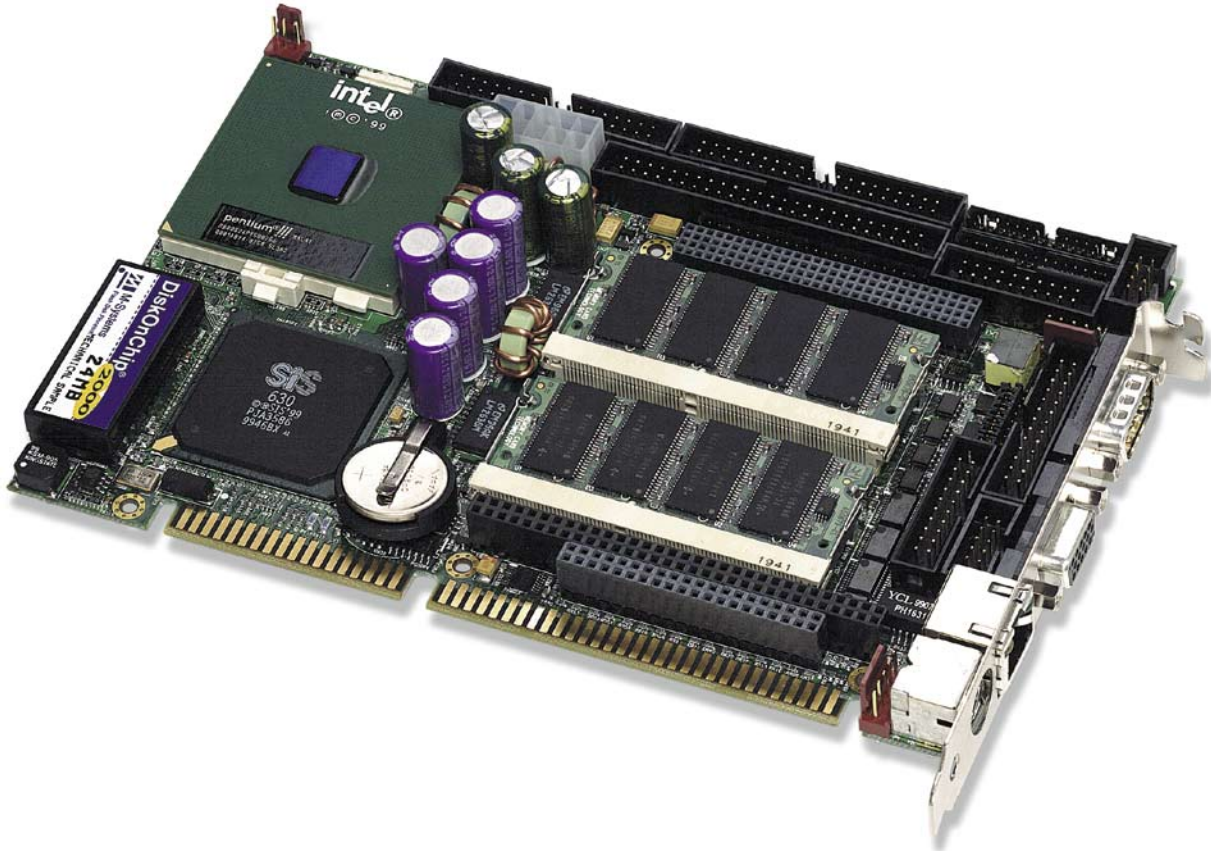


786LCD/ST

DVD/MPEG2 decoding

4x COM and CompactFlash™



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™ support (incl. Tualatin)
- ▶ Highly integrated SiS630ST Chipset
- ▶ 128-Bit Graphic Controller with up to 64 MB VRAM
- ▶ Flat Panel Display and Dual independent Display Support
- ▶ PanelLink, LVDS, DVI and TV-Out Support
- ▶ 10/100Base-T Fast Ethernet Controller
- ▶ CompactFlash and DiskOnChip Support
- ▶ 3x RS-232, 1xRS-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 with DVI / TV-Out Module

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.

- Processor: Socket-370 Intel Pentium® III and Celeron™ support (incl. Tualatin), 133MHz FSB
- Chipset: Highly integrated SiS® 630ST Chipset
- BIOS: Phoenix® BIOS with INSIDE Utility Extension and Secure-CMOS function
- Power Management: APM Ver. 1.2 and ACPI 1.0.
- Bus: PC/AT, PC/104 and PC/104+
- SDRAM: Two 144 pin SODIMM sockets with up to 1 GB SDRAM, PC133
- 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. Flat Panel Display 1280 x 1024
- 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 Controller: Ultra DMA 100 IDE. Secondary interface for 2½" HDD support
Support for up to 4 IDE devices
- FDD Controller: 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 PCI 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 Ver. 1.1, 4 Mbps
- Flash Disk: CompactFlash™ Type I + II 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
- 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

➤ Audio & Video modules for 786LCD/ST

PanelLink



144-pin PanelLink Transmitter
Internal: PLTX-I (720909)
External: PLTX-X (720907)

LVDS



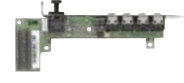
144-pin LVDS Transmitter
Internal: LV DSTX-2-I (720914),
LV DSTX-2A-I (720916)
External: LV DSTX-2-X (720915)

DVI / TV-Out



DVI Interface for Flat Panel and
2nd CRT (720906)
S-Video for Video Output
CVBS for Video Output

Sound / SP/DIF / IrDA



SP/DIF Surround Sound with virtual AC-3
Line-In, Line-Out and Speaker
Sound Blaster Pro Compatible
IrDA Ver. 1.1, 4 Mbps (only 720901)
Microphone
Sound & IrDA Modules (720901 and
720902 w/o IrDA)

Ordering Information	Part.-No.	Description
786LCD/ST	710113	66/100/133 FSB, all functions
786LCD/S PLUS	710110	SiS 630 Chipset, 66/100MHz FSB, U-DMA 66, CF Type I, no Tualatin® support
786LCD/S STANDARD	710112	Same as 71110, but only 4x RS232C, no CompactFlash™ socket no Graphic SO-DIMM socket, no PC/104+ connector.

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