



786LCD/MG

DVD/MPEG2 decoding, Ultra2 SCSI,
IEEE 1394 and 4x COM



- ▶ Socket-370 Pentium® III and Celeron™ support
- ▶ Highly integrated SiS630 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-485/422/232, 5x USB and 1x IrDA
- ▶ Virtual AC-3, SP/DIF and Sound Blaster Pro 16 Compatible
- ▶ Hardware Accelerated DVD/MPEG2 Decoding
- ▶ IEEE 1394 FireWire (option)
- ▶ Ultra 2 SCSI (option)

Technical Data



786LCD/MG with DVI/TV-Out Module

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

- ▶ **Processor:** Socket-370 Intel Pentium® III and Celeron™ support, 100MHz FSB.
- ▶ **Chipset:** Highly integrated SiS® 630 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, PCI and PC/104.
- ▶ **SDRAM:** Two 144 pin SO-DIMM sockets with 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. 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.
- ▶ **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-485/422/232 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 and M-Systems DiskOnChip support.
- ▶ **IEEE 1394:** FireWire 400Mbit/sec, 2 Channels (option).
- ▶ **SCSI:** Ultra 2 SCSI, 80MB/sec (option).
- ▶ **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:** PICMG ¾ Size, 250 mm x 122 mm (9,8" x 4,8").

* Requires Video Module ** Requires Audio Module

▶ Audio & Video Modules for 786LCD/MG

LVDS



LVDS Transmitter
Internal: LVDSTX-2-I (720914),
LVDSTX-2A-I (720916)
External: LVDSTX-2-X (720915)

PanelLink



PanelLink Transmitter
Internal: PLTX-I (720909)
External: PLTX-X (720907)
with DVI Connector (720906)

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
Microphone (only 720901, 720902 w/o
IrDA)

Ordering Information	Part.-No.	Description
786LCD/MG	710131	w/o SCSI w/o IEEE 1394