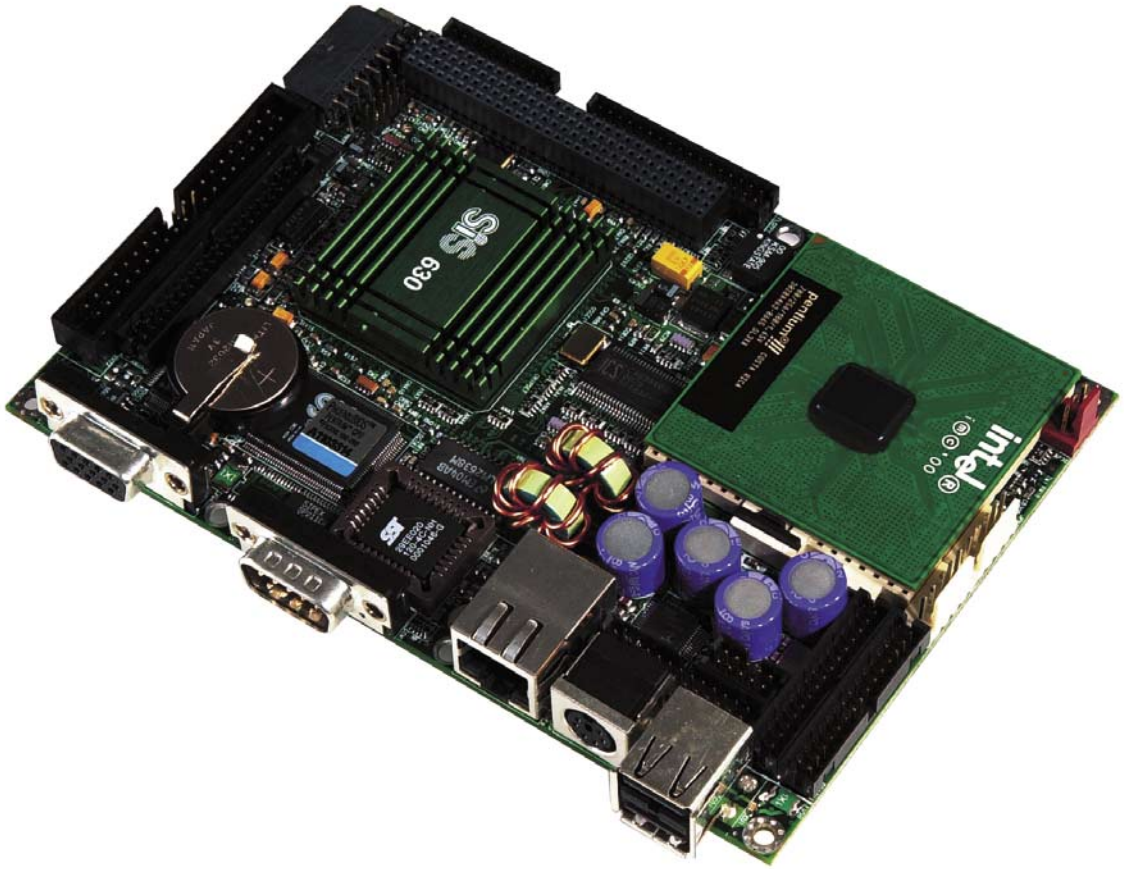
786LCD3.5“

Socket 370 Pentium III
DVD/MPEG2 decoding



- 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

kontron
... always a Jump ahead!

Technical Data



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“

➤ **Processor:**	Socket 370 Intel Pentium® III and Celeron™ processor up to 1GHz and 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 Bus) 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 CRT
➤ **Display Output:**	PanelLink, LVDS, DVI, CRT and CRT2 (independent of CRT1 via DVI), TV-Out with S-Video and 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:**	2x 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 + II
➤ **Watchdog:**	Supervision of supply voltage and SW execution
➤ **Monitoring:**	Processor temperature and fan supervision
➤ **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 50 Pin LCDconnect Module, ** Requires Sound/SPDIF Module

➤ Audio & Video modules for 786LCD3.5“

PanelLink



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

LVDS



144-pin LVDS Transmitter
Internal: LVDSTX-2-I (720914),
LVDSTX-2A-I (720916)
External: LVDSTX-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/3.5”	710170	66/100/133 FSB

Corporate Offices

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Tel.: (858) 677-0877
Fax: (858) 677-0898

sales@us.kontron.com

Europe, Middle East & Africa
Dr. Neergaards Vej 5D
DK-2970 Hørsholm

Tel.: +45 4576 1016
Fax: +45 4576 1017

sales.nordic@kontron.com

Asia Pacific
5F-1, 341, Sec 4, Chung Hsiao E.
Rd, Taipei, Taiwan

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379

sales@kontron.com.tw

kontron
... always a Jump ahead!

#786LCD35-030211
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners. DIMM-PC® and JUMPtec® are registered trademarks of Kontron Embedded Modules GmbH, Germany.