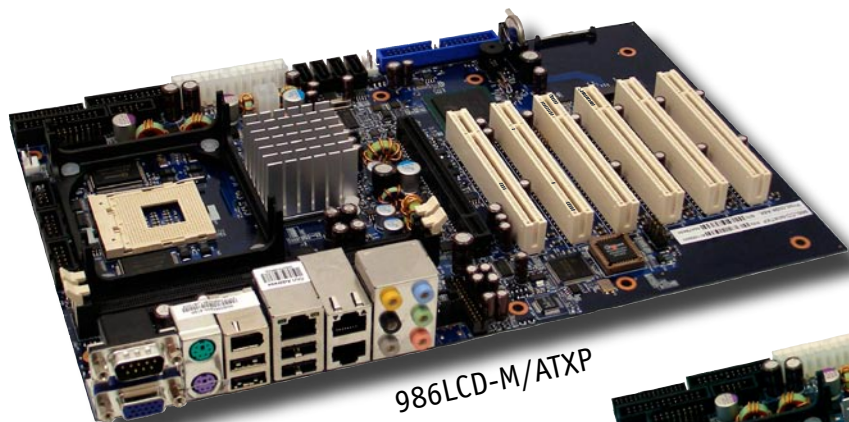
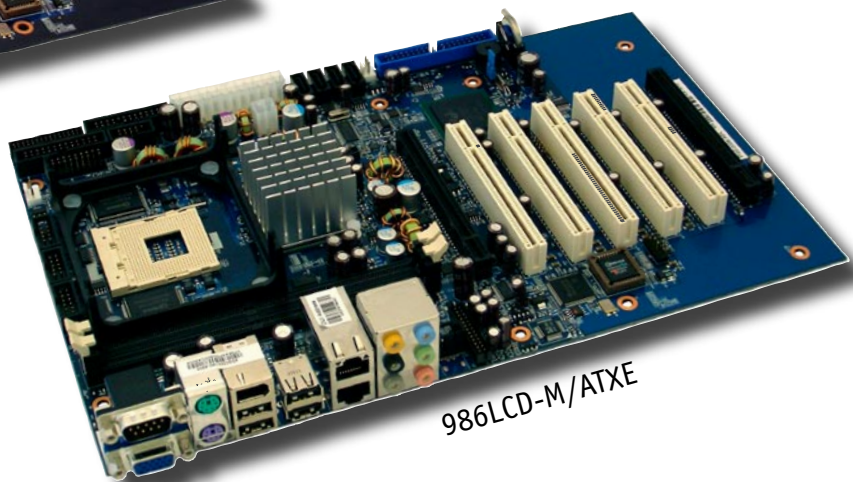


➤ 986LCD-M/ATX

Intel® Core™ 2 Duo, Intel® Core™ Duo & Intel® Core™ Solo Embedded ATX with 2x GbE LAN (986LCD-M/ATXP x3), LVDS, PCI-Express/SDVO, IEEE1394



986LCD-M/ATXP



986LCD-M/ATXE



- Intel® Core™ 2 Duo, Intel® Core™ Duo & Intel® Core™ Solo Processors
- Long-term availability
- Intel® 945GM + Intel® ICH7R Embedded Chipset
- Intel® GMA950 Controller with PCI-Express x16/SDVO interface
- Flat Panel Display Support, incl. dual independent display
- 3x GbE Ethernet (986LCD-M/ATXP) 2x GbE Ethernet (986LCD-M/ATXE)
- 1x PCI-Express x16, 1x mini PCI-Express & 6 PCI slots (986LCD-M/ATXP)
- 1x PCI-Express x16, 1x PCI-Express x4 & 5 PCI slots (986LCD-M/ATXE)
- HD Audio, Serial ATA w. Raid 0/1/5/10
- 2x IEEE1394, 8x USB 2.0, 4x Serial port

► **Technical Data**

Processor	Intel® Pentium® Core™2 Duo, Core™Duo and Intel® Core™Solo Processors (mPGA478); Prepared for mBGA479 up to 2.16GHz
Chipset	Intel® 945GM and Intel® ICH7R Embedded Chipset Front Side Bus 533 / 667 MHz
BIOS	AMI®
Power Management	ACPI 2.0 and APM 1.2
Bus	6x PCI (986LCD-M/ATXP) 5x PCI (986LCD-M/ATXE) 1x PCI-Express x16 / SDVO for external graphics card or ADD2 cards 1x PCI-Express x4 (986LCD-M/ATXE) 1x mini PCI-Express (986LCD-M/ATXP)
DRAM	2x DDR2 socket (240pins DIMM) up to 4 GByte
Graphics	Intel® GMA950 Controller with 2D/3D Graphics Engine Dual Pipe for dual independent displays (incl. 2x LCD) HW assisted DVD/MPEG2 Decoding
Resolution	Up to: CRT 2048x1536, LVDS 1600x1200, DVI 1600x1200 including 16x9 support
Graphic Interfaces	On board CRT, on board Dual Channel LVDS, PCI-Express x 16/SDVO, S-Video(TV) 2nd LVDS and DVI by ADD2-Cards (option)
HDD	4x Serial ATA150/300 and 1x ATA100 (2.54 mm connector)
IEEE1394	2x IEEE1394 (1x Internal and 1x External)
Parallel Port	Bi-directional Centronics w. SPP, ECP or EPP mode, shared floppy drive option (internal pin connector)

Serial Port	4x RS232C serial ports with FIFO
USB	8x USB 2.0 (4x internal and 4x external)
Ethernet	3x 10/100/1000 Mbps Ethernet Controller, Realtek RTL8111B (986LCD-M/ATXP) 2x 10/100/1000 Mbps Ethernet Controller, Realtek RTL8111B (986LCD-M/ATXE)
Keyboard/Mouse	Standard PS/2 mouse and keyboard (internal connection available)
Sound	HD Audio compliant
GPIO	8 channel GPIO
Hardware Monitoring	Temperature, fan and voltages
Monitoring API/DMI	Software interface to monitor hardware values including HDD S.M.A.R.T.
Battery	On board Lithium battery and external battery input
Operating Temp.	0-60°C
EMC/ESD compliance	Compliance with EN55022 and EN61000-4-2 (ESD)
Safety compliance	UL609501-1:2003, First edition CSA C22.2 No. 60950-1-03, First edition, April 1. 2003
Environmental compliance	RoHS and Lead-free production
Dimensions	ATX, 30,48 cm x 19,05 cm (12,0" x 7,5")
Power Supply	ATX & BTX

► **Ordering Information**

Article	Part.-No.	Description
986LCD-M/ATXP	810220-4500	CoreDuo/CoreSolo Socket mPGA478, Intel® 945 GM, w. 6x PCI, 3x Gb LAN, 2x IEEE1394
986LCD-M/ATXE	810230-4500	CoreDuo/CoreSolo Socket mPGA478, Intel® 945 GM, w. 5x PCI, 1x PCI-Express x4, 2x Gb LAN, 2x IEEE1394

► **ADD2-Cards for 2nd display**



ADD2-DVI-DUAL
Part #820952



ADD2-LVDS-DUAL
Part #820950

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