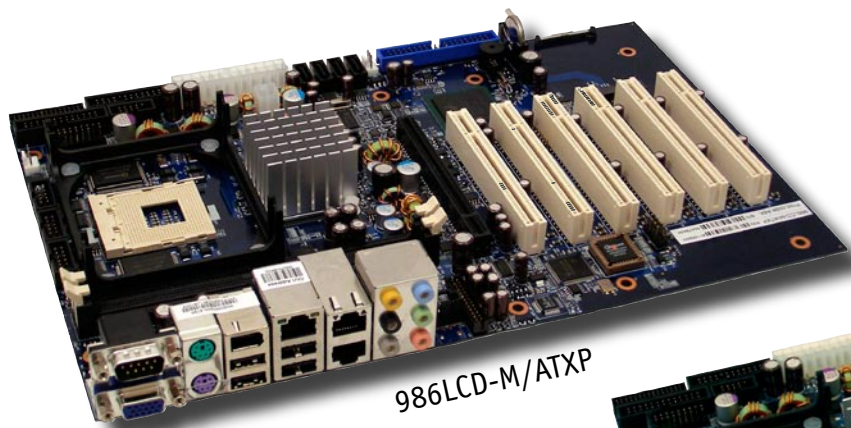
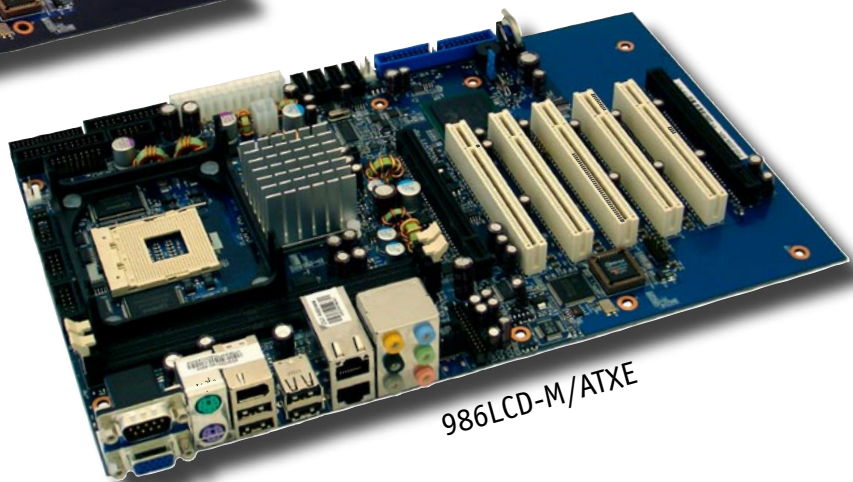


# ➤ 986LCD-M/ATX

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**

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

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