



M590KE Specification

CPU	<ul style="list-style-type: none"> ◦ AMD Turion™ 64 X2 Mobile Technology processor TL-50 (31W, 1.6GHz, 90nm, 256KBx2 L2 cache, 638pin Micro PGA-S1) ◦ AMD Turion™ 64 X2 Mobile Technology processor TL-52/TL-56/TL-60 (31/33/35W, 1.6GHz/1.8GHz/2.0GHz, 90nm, 512KBx2 L2 cache, 638pin Micro PGA-S1) 		
Core Logic	<ul style="list-style-type: none"> ◦ nVIDIA nForce4 SLI chipset (CK804) 		
Display	<ul style="list-style-type: none"> ◦ 20.1" WSXGA+ (1680x1050) LCD TFT 		
Memory	<ul style="list-style-type: none"> ◦ 64-bit wide DDRII data channels ◦ Two 200-pin SODIMM sockets, supporting DDRII 533/667 ◦ Expandable Memory up to 2GB, based on 256/512/1024MB SODIMM Module 		
Video Controller	<ul style="list-style-type: none"> ◦ Dual /SLI nVIDIA GeForce™ Go 7900 GTX (G71M-GTX) High performance graphic chip ◦ 512MB GDDRIII Video RAM onboard ◦ 256 bit memory interface ◦ PCI-Express x8 by 2 ◦ Fully DirectX 9.0 support ◦ Graphic Modular Design 	<ul style="list-style-type: none"> ◦ Dual /SLI nVIDIA Quadro FX 2500M high performance graphic chip ◦ 512MB GDDRIII Video RAM onboard ◦ 256 bit memory interface ◦ PCI-Express x8 by 2 ◦ Fully DirectX 9.0 support ◦ Graphic Modular Design 	<ul style="list-style-type: none"> ◦ Dual /SLI nVIDIA GeForce™ Go 7950 GTX (G71M-UU) high performance graphic chip ◦ 512MB GDDRIII Video RAM onboard ◦ 256 bit memory interface ◦ PCI-Express x8 by 2 ◦ Fully DirectX 9.0 support ◦ Graphic Modular Design
Storage	<ul style="list-style-type: none"> ◦ Two changeable bays for 2.5" 9.5mm(H) HDD ◦ One changeable bay for 12.7mm(H) DVD-ROM / Combo / DVD-Dual ◦ Support Serial-ATA HDD ◦ Support RAID 0,1 		
Keyboard	<ul style="list-style-type: none"> ◦ Full size keyboard, with Numeric Pad, Multi-Language support ◦ Built-in Touchpad 		
Sound System	<ul style="list-style-type: none"> ◦ AC'97 2.3 Compliant Interface ◦ SRS WOW supported ◦ 3D stereo enhanced sound system ◦ Virtual 4-channel audio output ◦ Compatible Sound-Blaster PRO™ ◦ S/PDIF Digital output (5.1CH) ◦ 1x Built-in Microphone ◦ 4x Built-in Speakers ◦ 1x Built-in Sub woofer 		

I/O Ports	<ul style="list-style-type: none"> o 5x USB 2.0 ports o 1x Mini IEEE1394a ports o 1x Serial port o 1x DVI port o 1x Headphone jack o 1x Microphone jack o 1x S/PDIF output jack o 1x Line-in jack for Audio input o 1x RJ-45 port for LAN o 1x RJ-11 port for Modem o 1x 4 PIN DC-In jack o 1x CATV input jack (optional function with TV-Tuner module) o 1x S-Video jack for Video input (optional function with TV-Tuner module) o 1x S-Video 7pin jack for TV output (HDTV support)
Soft	<ul style="list-style-type: none"> o One typell PCMCIA socket o On MiniPCI socket o One MiniCard socket o Built-in 7-in-1 Card Reader (MS/MS Pro/SD/MMC/RS MMC/MS DUO/Mini-SD)
Communication	<ul style="list-style-type: none"> o Infrared Transfer : 4M bps FIR, 1cm~1M operating distance, IrDA 1.1 compliant o 10/100/1000BASE-T Fast Ethernet onboard (PCI-E interface) o Integrated 56K AC97 modem (V.92 compliant) o 802.11b/g MiniCard Wireless LAN module o (Factory option) Bluetooth™ Class II V2.0 Module, USB Interface o (Factory option) 1.3M-pixel Video Camera module
Power	<ul style="list-style-type: none"> o Full Range 220W AC adapter - AC input 100~240V, 47~63Hz, DC output 20V, 11A o Changeable 12-cell Smart Li-Ion battery pack, 6600mAh
Security	<ul style="list-style-type: none"> o Kensington Lock
O.S.	<ul style="list-style-type: none"> o Windows XP SP2 o Windows XP 64
Dimension	<ul style="list-style-type: none"> o 476(W) x 343(D) x 29.5~47.8(H)mm o 6.9Kg with battery
Options	<ul style="list-style-type: none"> o DVD/Combo/DVD-Dual drive module o Software DVD Player o 802.11b/g MiniCard USB Wireless LAN module o TV-Tuner module, MiniPCI interface o (Factory option) Bluetooth™ Class II V2.0 Module, USB Interface o (Factory option) 1.3M-pixel Video Camera module

**The specification in gray are not available yet.

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**Battery Life may vary depending on applications and configuration.

**Version: 2007.02