



# MPC50

The fanless, high performance, graphics computer

The MPC50 operates on a Core2Duo multiprocessor with 2GByte memory. This system has all the standard interfaces (USB, LAN, DVI, VGA, sound, FireWire) and is expandable with two PCI cards or two PCIe cards. For mass storage, a passively cooled SATA300 hard drive with up to 1TB capacity is built-in (a second drive is optionally available). The robust aluminum housing has an integrated passive, maintenance-free cooling design. Two passively cooled video cards (PEG/PCIexpress) are available as options to be built-in, allowing 4 monitors to be connected.

## Applications

- \_ Video/audio data processing for studio technology
- \_ Multimedia applications
- \_ Optional high performance graphics with four separate video outputs
- \_ Built-in 110/220VAC power pack
- \_ For maintenance-free, 24 hour, continuous operation applications



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M: I datasheets | datasheets\_MCS\_10 | 815600DS\_E.pdf



## Ordering information

Item	No.	Description
Upgrade 250GB-HD to 1TB	815651	Replace the 250GB HD with a 1TByte SATA-Harddisk
Upgrade 3GB with SMX945B	807406	Upgrade SMX945B with 3GB from the SMX945 with 2GB
MPC50-Option 2nd HD 1TB	815650	2nd Harddisk with 1TB assembled into the MPC50x
MPC50-Option WLAN	815634	Intel 2915ABG incl. Antenna assembled
MPC50-Option 2xPCI Slot	815620	2slot PCI 32bit Caddy assembled in the MPC50x
MPC50-Option 2xPCIe-Slot	815621	2slot PCIe Caddy assembled in the MPC50x
MPC50-DualSlot-PEG&PCIe	815622	MPC50 Caddy PEG 1slot PEG 1slot PCIeexpress (x1)
MPC50 Dual HD Interface	815630	For thermal interface of the two caddyslots
MPC50 PCIe-Videocard	815631	With Heatpipe for passiv cooling

## Technical data

Type	MPC50
<b>CPU</b>	Intel® Pentium® Core™ 2 Duo/Quad
<b>Chipset</b>	Intel® 945GM
<b>Memory</b>	2GB (max. 3GB)
<b>Hard drive (SATA)</b>	1x 250GB-SATA (max. 2x 1TB-SATA)
<b>Optical drive (PATA)</b>	DVD-R/W, CD-R/W
<b>Video controller</b>	Intel® 945GM
<b>Video memory</b>	256MB
<b>3D-Support</b>	DirectX 9
<b>Video interface 1</b>	QXGA (analog)
<b>Video interface 2</b>	DVI
<b>Video interface 3</b>	LVDS with USB2
<b>Resolution</b>	2048 x 1536 (@ 75Hz)
<b>Keyboard, mouse</b>	USB
<b>Serial interface COM1</b>	internal
<b>Serial interface COM2</b>	internal
<b>Serial interface COM3</b>	-
<b>Serial interface COM4</b>	-
<b>Parallel interface</b>	internal
<b>USB V2.0</b>	1x front, 4x back, 2x internal
<b>Firewire IEEE1394</b>	2x back
<b>TV input/Frame grabber/Remote</b>	Dual tv tuner (option 845632)
<b>LAN Port A (with LAN boot)</b>	10/100BASE-T (RJ45)
<b>LAN Port B</b>	1GB LAN (RJ45)
<b>Audio controller</b>	AC97-2.3 HD Audio
<b>Line output</b>	7.1 sound jack
<b>Line input/mic. input</b>	Stereo
<b>SPDif output</b>	yes
<b>SPDif input</b>	yes
<b>Option 1 (815634)</b>	WLAN MiniPCI
<b>Option 2 (815630)</b>	Terminal interface
<b>Option 3</b>	-
<b>Plug-in power supply</b>	110/220V AC
<b>Expansion (optional)</b>	MiniPCI, 2x PCI32Bit slot, PCI Express
<b>Expansion slots</b>	-
<b>Power save function</b>	Suspend/Resume, SoftOff, Instant On
<b>Conformity</b>	CE, FCC
<b>Protection class</b>	IP40
<b>Size (W x L x H in mm)</b>	300 x 280 x 160
<b>Weight</b>	6 kg
<b>Housing</b>	Aluminium
<b>Colour</b>	silver/blue/anodized
<b>Noise level</b>	<20dB(A)
<b>Operating temperature</b>	+5°C to +50°C
<b>Extended operating temperature</b>	tbd
<b>Vibration/shock incl. HD/CD/DVD</b>	1/10G
<b>MTBF</b>	60'000h
<b>For operating systems</b>	Vista, WIN XP, LINUX
<b>Part no.</b>	815600

Manufacturer:

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