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MI945GM2

Intel® 945GM uFC-PGA 478 Core Duo/ Core Solo/ Core 2 Duo Mini ITX Main Board

SATA

GPIO

Dual View

Dual
Gbit LAN

- Supports 65nm Intel® uFC-PGA 478 Core Duo / Core Solo/Core 2 Duo CPU
- Intel 82945GM Express Chipset
- Two DIMMs up to 4GB Dual Channel DDR2 533/667 SDRAM
- Intel® Graphics Media Accelerator 950
- 2 CH LVDS
- Dual Marvell 88E8053 PCIe Gigabit LAN Controller
- 1 PCI-E x 16, 1 PCI, 1 Mini PCI, Type I/II CF
- 4 COM, 2 SATA, 8 USB 2.0, 8-bit Digital IO
- ADI AD1882JCPZ 6-channel High Definition Audio Codec
- 2 SATA II, 1 IDE



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System	
CPU	▶ Supports Intel uFC-PGA 478 Core 2 Duo / Core Duo Core Solo CPU with 65nm process technology
FSB	▶ 533/667MHz
BIOS	▶ Award 8 Mb Flash ROM BIOS
System Chipset	▶ Intel 82945GME GMCH/82801GM ICH7-M DH
I/O Chip	▶ Winbond W83627DHG-A
System Memory	▶ Two 240-pin DIMM sockets support up to 4 GB Dual Channel DDR2 533/667 SDRAM
SSD	▶ One CompactFlash Type I/II socket
Watchdog Timer	▶ Reset: 1 sec. to 255 min. and 1 sec. or 1 min./step
H/W Status Monitor	▶ Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
Expansion	▶ One PCI Express X16, One PCI slot (PCI Rev. 2.2 compliant), One Mini PCI
S3/S4	▶ S3 only
TPM	▶ -
Wake up on LAN or Ring	▶ -
I/O	
MIO	▶ 1 x EIDE (Ultra DMA 100), 4 x RS232, 2 x SATA, 1 x K/B, 1 x Mouse (COM1, 2 with Power output)
USB	▶ 8 USB 2.0
DIO	▶ 16-bit General Purpose I/O for DI and DO
Display	
Chipset	▶ Intel® 945GSE GMCH integrated Graphics Media Accelerator 950
Display Memory	▶ Intel DVMT 3.0 supports 224MB video memory
Max Resolution	▶ 2048 x 1536 @ 32 bpp (85 Hz)
Dual Display	▶ CRT + LVDS
VGA	▶ On board GMA 950 supports CRT resolutions up to QXGA
LVDS	▶ Supports dual channel LVDS resolutions up to UXGA 18-bit and 24-bit Single/Dual channel
LVDS Backlight	▶ Yes
Power Connector	▶ 1 12V CPU Fan Connector 1 12V Chassis Fan Connector
Audio	
Audio Codec	▶ Realtek ALC888 Audio Code 5.1ch with Two independent audio stream
Audio Interface	▶ Mic-in, Line-in, Line-out
Audio Amplifier (W)	▶ -
Ethernet	
LAN 1	▶ Marvell 88E8053 PCI-E Gigabit Ethernet Controller
LAN 2	▶ Marvell 88E8053 PCI-E Gigabit Ethernet Controller
Back Panel I/O Port	
Back Panel I/O Port	▶ 1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x RS-232 Serial Port 1 x VGA port 4 x USB 2.0/1.1 2 x LAN RJ45 port / 5.1 +2 CH Audio I/O (3 jacks)
Internal I/O Connector	
Internal I/O Connector	▶ 2 x USB connectors support additional 4 USB ports 1 x 20-pin ATX Power connector 1 x 40-pin IDE connector for two devices 3 x COM connector 2 x SATA connectors 1 x System panel connector 1 x CD-In connector 1 x SPDIF out connector 1 x SMBus management connector 1 x LVDS connector 1 x CPU Fan connector 2 2x3pin connecotr support 8Bit GPIO via SMBus PCA9554 Controler (optional)

Mechanical & Environmental

- Power Type ▶ ATX
- Operating Temperature ▶ 0 to 60°C (32 to 140°F)
- Operating Humidity ▶ 0% to 90% relative humidity, non-condensing
- Size (L x W) ▶ 6.69" x 6.69" (170 mm x 170 mm)
- Weight ▶ 0.88 lbs (0.4 Kg)

Ordering Information

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