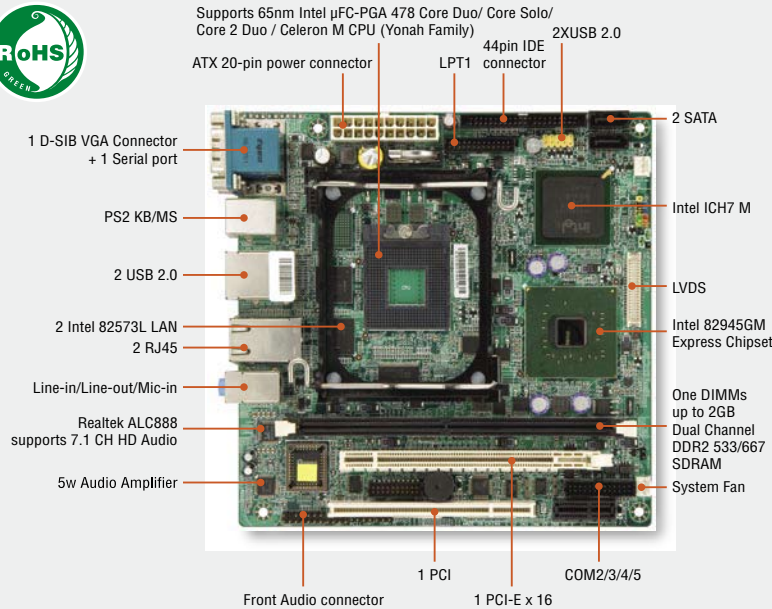




MX945GM

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



Features

Supports Intel µFC-PGA 478 Core Duo/ Core Solo/ Core 2 Duo/ Celeron M (Yonah Family) with 90nm and 65nm process technology

Intel 82945GM Express Chipset

One DIMMs up to 2GB One Channel DDR2 533/667 SDRAM

Intel Graphics Media Accelerator 950

Intel 7.1 CH HD Audio, S/PDIF

2 Intel 82573L LAN

1 PCI-E x 16, 1 PCI

5 COM, 2 SATA, 4 USB 2.0

Intel GMA 950

One CH. DDR2

HD Audio

Dual Intel Gb LAN

SATA

PCI-E x16

5 COM

Specifications

System

• CPU	Supports Intel µFC-PGA 478 Core Duo/ Core Solo/ Core 2 Duo/ Celeron M (Yonah Family) with 90nm and 65nm process technology
• FSB	400/533/667 MHz
• BIOS	Award 1M Flash BIOS
• System Chipset	Intel 82945GM GMCH/82801GM ICH7M
• I/O Chip	Winbond W83627EHG
• System Memory	1 240-pin DIMM sockets support up to 2GB One Channel DDR2 533/667 SDRAM
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
• Expansion	One PCI Express X16, One PCI slot (PCI Rev. 2.2 compliant)

I/O

• MIO	3 x RS232, RS422/485
• USB	4 x USB 2.0 ports
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	Intel 82945GM GMCH integrated Graphics Media Accelerator 950
• Display Memory	Intel DVMT 3.0 supports 224 MB video memory
• Resolution	2048 x 1536 @ 32 bpp (85 Hz)
• Dual Display	CRT + LVDS
• LVDS	Single channel 18-bit/Dual-channel 36-bit LVDS

Audio

• Chipset	Intel 82801GM ICH7M
• AC97 Codec	Realtek ALC888 supports 7.1 CH HD Audio
• Audio Interface	Mic in, Line in, Line out, S/PDIF

Ethernet

• LAN 1	Intel 82573L Gigabit LAN
• LAN 2	Intel 82573L Gigabit LAN
• Ethernet Interface	1000Base-Tx Fast Ethernet compatible: Dual Intel 82573L

Mechanical & Environmental

• Power Requirement	+5 V @ 3.53A, +12 V @ 2.619 A, +3.3 V @ 1.05 A, 5 Vsb @ 594m A (with Intel Code 2 Duo T7400 2.16 GHz & 1GB DDRII SDRAM)
• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Operating Humidity	0% ~ 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

• MX945GM

Intel Core Duo/ Core Solo/ Core 2 Duo/ Celeron M Mini ITX Main Board with VGA, 7.1 CH Audio, Dual Gigabit LAN, PCI-E x16, PCI & 4 USB 2.0



Block Diagram

