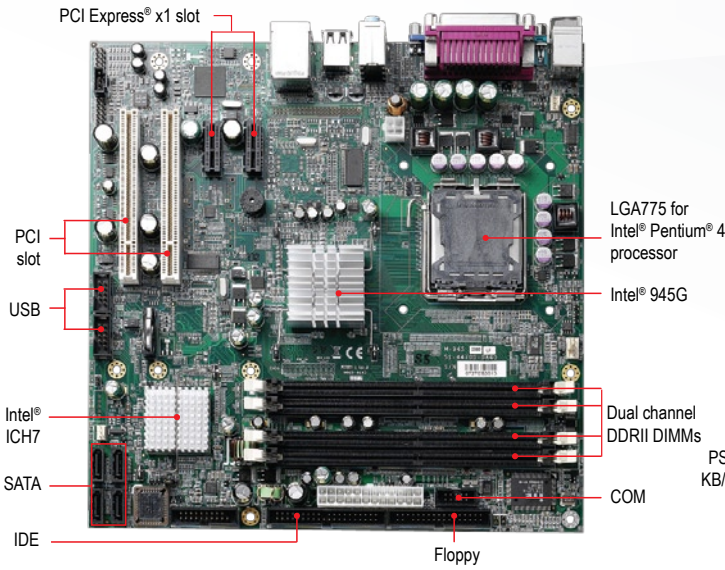
M-945

MicroATX LGA775 Intel® Pentium® D Industrial Motherboard with DDR2, GbE, LVDS, and SATA II





Features

- MicroATX Industrial Motherboard
- LGA775 Intel® Pentium® D, Pentium® 4, Celeron® D processor with 1066/800/533 MHz FSB
- Intel® 945G + ICH7 chipset with Dual-Channel DDR2 667/533 MHz
- Gigabit Ethernet port via PCIe® x1
- High capacity memory up to 4 GB

Specifications

Processor & System

CPU	Intel® Pentium® 4 651, 3.4GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775
	Intel® Pentium® 4 551, 3.4GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775
	Intel® Pentium® 4 531, 3.0GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775
	Intel® Celeron® D 352, 3.2GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775
	Intel® Celeron® D 341, 2.93GHz, 533MHz FSB, 256KB L2 Cache, 90nm, 84W TDP, LGA775
Chipset	Intel® 945G + ICH7
Memory	Dual-Channel DDR2 667/533 MHz, up to 4 GB
BIOS	Award 4 Mb flash memory
Watchdog Timer	1-255 sec./min. software programmable and can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® 2000/XP/Server 2003, Fedora™ Core 5

I/O Interfaces

IDE (PATA)	1x UltraATA-66/100
Serial ATA	4x Serial ATA II ports with 3.0 Gbps data transfer rate
Expansion Slot	2x PCIe® x1 slots and 2x PCI™ slots
USB	8x USB 2.0 ports (4x rear panel, 4x onboard pin header)
KB/MS	2x Mini-DIN for PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	2x RS-232 ports

Audio

Audio Codec	Realtek ALC883 AC'97 codec
Interface	AC'97 Audio with Line-in, Line-out, and Mic-in

Display

Graphics	Intel® 945G integrated VGA (GMA 950)
VRAM	224MB
CRT	External Dsub-15 connector up to 2048 x 1536 @ 75Hz

Ethernet

Controller	Intel® 82573E GbE controller supports 10/100/1000Base-T Gigabit Ethernet
Interface	PCIe® x1 bus
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	MicroATX
Dimensions	244 mm x 244 mm (9.6" x 9.6", L x W)
Operating Temp.	0°C to 60°C
Storage Temp.	-20°C to 80°C
Certificaions	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

Ordering Information

Model Number	Description/Configuration
M-945	MicroATX Industrial Motherboard for Intel® Pentium® D LGA775 with DDR II, GbE and Serial ATA II

Note: CPU, Memory module and Cooler kit are not included.

Optional Accessories

Model Number	Description/Configuration
1U CPU Cooler + backplate	LGA775 1U Thermal Module + backplate
3U CPU Cooler	LGA775 3U Thermal Module
Backplate	Backplate for 3U CPU cooler

Packing List

M-945	2x SATA data cables
M-945 I/O shield	1x dual-plug SATA power cable
1x UltraATA 100 IDE cable	Driver CD
1x Floppy cable	User's manual
1x COM+Parallel port cables with bracket	

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