

M-945

MicroATX LGA775 Intel® Pentium® D Industrial Motherboard with DDR II, GbE, LVDS, and Serial ATA 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 x1 PCIe® Bus
- High capacity memory up to 4 GB

Ordering Information

M-945	MicroATX Industrial Motherboard for Intel® Pentium® D MicroATX LGA775 Intel® Pentium® D Industrial Motherboard with DDR II, GbE and Serial ATA II
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Note: CPU, Memory module and Cooler kit are not included.

Optional Accessories

Model Number	Description/Configuration
1U CPU Cooler + Back Plate	LGA775 1U Thermal Module + Back Plate
2U CPU Cooler + Back Plate	LGA775 2U Thermal Module + Back Plate
3U CPU Cooler + Back Plate	LGA775 3U Thermal Module + Back Plate
Backplane for 3U Cooler	LGA775 Retention Module

Specifications

System

CPU	LGA775 Intel® Pentium® D, Pentium® 4, Celeron® D processor
FSB	1066/800/533 MHz
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 or 1-255 min software programmable and can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages

I/O Interfaces

IDE	One-channel UltraATA 66/100
Serial ATA	Four Serial ATA II ports with 3.0 Gbps data transfer rate
USB	Eight USB 2.0 ports (four on rear panel, four on onboard pin header)
Multi I/O	Two RS232, one LPT, one Floppy, one PS/2 Keyboard, and one PS/2 Mouse
Audio	High Definition Audio with Line-in, Line-out, and Mic-in
Expansion Slot	Two PCIe® x1 slots and two PCI™ slots

Display

VGA	Intel® 945G integrated VGA (GMA 950)
LVDS (Optional)	Resolution up to 1600 x 900 @ LVDS 18-bit or 24-bit output

Ethernet

Gigabit LAN	Intel® 82573E GbE controller supports 10/100/1000Base-T Gigabit Ethernet via x1 PCIe® Bus
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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
Relative Humidity	10% to 90% (non-condensing)
Certificate or Test	CE, FCC class A

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