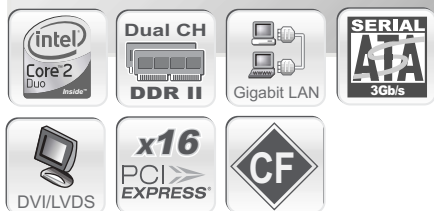


M-946 Series

MicroATX LGA775 Intel® Core™2 Duo Industrial Motherboard with DDR2, Dual-GbE, x16 PCIe®, DVI/LVDS, SATA II and CF



Features

- MicroATX industrial motherboard
- LGA775 Intel® Core™2 Duo, Pentium® D, Pentium® 4, Celeron® D processor at 1066/800/533 MHz FSB
- Intel® 945G + ICH7 chipset with Dual-Channel DDR2 667/533 MHz
- Two Gigabit Ethernet ports via x1 PCIe® Bus
- Rich display interfaces of VGA, DVI, LVDS, and x16 PCIe® graphics card

Ordering Information

M-946	MicroATX LGA775 Intel® Core™2 Duo Industrial Motherboard with DDR2, Dual-GbE, x16 PCIe® and SATA II and CompactFlash®
M-946L	MicroATX LGA775 Intel® Core™ 2 Duo Industrial Motherboard with DDR2, Dual-GbE, DVI/LVDS, SATA II and CompactFlash®

Note 1: 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® Core™2 Duo, Pentium® D, Pentium® 4, Celeron® D
FSB	1066/800/533 MHz
Chipset	Intel® 945G + ICH7
Memory	Dual-Channel DDR2 667/533 MHz, up to 2 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
CompactFlash	One CompactFlash® Type II socket
Serial ATA	Two 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 PS/2 Keyboard, and one PS/2 Mouse
Audio	AC'97 audio with Line-In, Line-Out, and Mic-In
Expansion Slots	One PCIe® x1 slot, one PCIe® x16 slot, and two PCI™ slots

Display

VGA	Intel® 945G integrated VGA (GMA 950)
DVI	Resolution up to 1600 x 1200
LVDS	Resolution up to 1600 x 900 @ LVDS 18-bit or 24-bit output

Ethernet

Gigabit LAN	Onboard two Intel® 82573E GbE controllers support 10/100/1000Base-T dual-Gigabit Ethernet via x1 PCIe® Bus
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Mechanical and Environmental

Form Factor	MicroATX
Dimensions	244 mm x 244 mm
Operating Temp.	0°C to 60°C
Storage Temp.	-20°C to 80°C
Certificate or Test	CE/FCC class A