

# MI-965

Mini-ITX Embedded Motherboard with Intel® GME965 chipset, VGA, SATA, IDE, Dual-GbE, LCD, Audio, & CF



## Features

- Mini-ITX form factor
- Support Intel® mobile Core™ 2 Duo, Celeron® M processors in 478-pin micro-FCPGA package
- Integrated graphics controller, support dual independent display
- Supports PCIe® x16, PCI™
- Onboard CompactFlash® socket
- RoHS compliant

## Ordering Information

MI-965	Mini-ITX Mobile Core™ 2 Duo Industrial Motherboard, GME965/ICH8M, Dual-GbE, SATA, IDE, LCD, Audio, CF
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### Optional Accessories

Model Number	Description/Configuration
1U CPU Cooler	Socket M 1U CPU Cooler with retention module

## Specifications

### CPU/Core Logic

CPU/Cache	478-pin Micro-FCPGA socket to support Intel® Mobile Core™ 2 Duo, Celeron® M processors
Frequency	667/800 MHz FSB
Chipset	Intel® GME965 + ICH8M Express® Chipset
Memory	Two 240-pin DIMM sockets Supports DDR2-533/667 SDRAM, up to 4 GB
BIOS	AMI BIOS®/ Flash ROM 16 Mb
Watch-dog timer	1-255 sec./min. software programmable
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltage

### I/O Interfaces

IDE	One 40-pin ATA-66/100 IDE port
Compactflash	One type-II socket, shared with IDE port.
SerialATA	Two SATA-II ports, data rate up to 300 MB/s
USB	Eight USB 2.0 ports, four external and four internal ports
Audio	AC'97 Audio
Expansion slot	One PCI Express® x16 slot One 5 V 32-bit PCI® slot
Multi I/O	Two RS-232 ports, one parallel port header, and one PS/2 keyboard/mouse interface

### Display

VGA	GMA X3100 integrated in GME965 GMCH
VRAM	Shared system memory up to 384 MB
CRT	External Dsub-15 connector, resolution up to 2048 x 1536 @ 60 Hz
LCD	Internal 24-bit header, support dual independent display

### Ethernet

Controller	Intel® 82573L and 82566DC
Ports	Two 10/100/1000 Mbps Ethernet ports

### Power Inputs

System power	ATX power input
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### Mechanical and Environmental

Form factor	mini-ITX
Dimension	170 mm x 170 mm (L x W)
Operating Temp.	0°C to 55°C
Storage Temp.	-20°C to 80°C
Safety	CE/FCC Class A

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