

MFII-945G/GC

Industrial designed

Slim Size PC

Engineering Specification

(LGA 775 CPU supported)

Motherboard specification:

All in one designed with VGA , LAN , sound on board.

Industrial circuit and components designed.

Chip sets: Intel 945G/GC + ICH7

CPU: Intel Celeron or Pentium 4 , Core 2 Duo socket LGA 775 CPU (Conroe , Conroe-L , CEDAR MILL , Prescott CPU supported)

Lan : 1 x 10/100/1000 Giga Lan on board

USB ports: standard 8 ports (2 in the front & 6 in the back by slot bracket)

DVI interface : DVI interface (optional)

Watch dog timer supported.

COM ports : 6 COM ports (2 COM ports standard , extra 4 COM ports optional by slot bracket)
(+5 V/+12V selectable power supported on each port , COM 2 can be configured for RS422/485)

Case size : 32 cm (W) x 33 cm (L) x 8 cm (H) for MFII-945G/GC

Power supply : ATX 300 watts switching power supply 110/230 V switchable.

Driver bay: 1 x 3.5" HDD + 1 x 3.5" FDD or HDD + 1 x Slim CD-ROM

Riser card for MFII-945G/GC : 2 x PCI slots (standard) or
1 x PCI-E (x16) + 1 x PCI slots selectable



Motherboard Engineering Specifications

Product Name	MF-945G/GC
Form Factor	Customer Design
CPU type supported	Intel Celeron or Pentium 4 , Core 2 Duo socket LGA 775 CPU (Conroe , Conroe-L , CEDAR MILL , Prescott CPU supported)
System Speed	Up to 3.8GHz+
CPU Operating Frequency	533 / 800/1066 MHz
Green /APM	APM1.2
CPU Socket	Socket LGA 775
Chipset	Intel 945G/GC Chipset MCH: 82945G FC-BGA + ICH7 mBGA FWH
BIOS	Award BIOS Support ACPI Function
Cache	128K/256K/512K/1M/2M Level 2 (CPU integrated)
VGA	945G chipset built-in ,Supports CRT interface Shared memory, max. 224MB
DVI interface (optional)	Chrontel CH7307 for DVI
LAN	Realtek RTL8111C PCI-E Giga LAN controller (10/100/1000Mb)
Audio	ICH7 Built-in Sound controller + AC97 Codec ALC655 (Line-out, Line-in, MIC.)
Audio AMP (optional)	2 watts per channel
Memory type	2 x DDR2 PC 533/667 DDR2 SDRAM(without ECC Function) DIMM Module, Max. capacity - 4GB
LPC I/O	Winbond W83627DHF: IrDax1 Parallel x1, COM1(RS-232),COM2(RS232/RS422/RS485), FDC 2.88MB/1.44MB,Hardware monitor(3 thermal inputs,6 voltage monitor inputs , VID0-4 , 1 chassis open detection ,3 Fan Header) Jumper selectable for +5V or + 12V at pin 9 of DB9 for COM 1, 2
Secondary I/O (option)	Fintek F81216; for COM3,4,5,6 (RS232) 6 x10 pins header (2 sets) for extra 4 COM ports Jumper selectable for +5V or + 12V at pin 9 of DB9 for COM 3, 4,5,6
RTC/CMOS	ICH7 Built-in
Battery	Lithium Battery
PS2 Keyboard/Mouse Controller	Winbond W83627DHF Built-in
EPP/ECP	Yes
Local bus IDE	ICH7 built-in ,IDE1,IDE2 (Ultra DMA 33/66/100)
Board Size	Customer size
Power Connector	ATX P4 type
Expansion slots (Riser card)	2 x PCI slots or 1 x PCI-E (x16) + 1 x PCI slots selectable
USB 2.0 x 8 ports (Universal Serial Bus) Standard	8 ports ,USB Version 2.0, 2 ports in the front and 6 ports in the back side.by slot bracket
SATA 4 ports	4 ports serial ATA ports for HDD/CD-ROM interface
IrDA (Infrared Ray)	pin header ,This allows infrared wireless communication.
Watchdog Timer (optional)	Yes (256 segments : 0,1,2,...255 sec/min)
System Voltages	+5V,+12V,-12V,5VSB,+3.3V
Other Features	Modem Wakeup, LAN Wakeup ,
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)
MTBF	70000 hours