

MFI-LX800 Industrial Book Size PC Specification



Motherboard specification:

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

Industrial circuit and components designed.

Chip sets: AMD LX800 + CS5536

CPU: AMD LX800 fan less low power CPU embedded (0.9 watt)

Lan : 1x10/100 or 10/100/1000 Mbit on board (2nd Lan 10/100 or 10/100/1000 Mbit optional)

USB ports: standard 4 ports USB 2.0 (2 in the front + 2 in the back)

LCD panel interface : TTL LCD panel or LVDS interface (24 bits)

Watch dog timer supported.

Digital I/O supported 4 in / 4 out .

COM ports : 2 COM ports standard , COM 2 is RS 232/422 /485 selectable (6 COM ports optional)

Built in high efficiency DC-DC converter on board (+12 or +24 VDC input)

Case size : 18.5cm (W) x 19.7cm (L) x 4.8cm (H) (metal case with no any ventilation hole)

Power supply : DC- DC converter built in on board with 60 watts AC-DC power adapter

Riser card : 1 PCI slot (if need to install PCI slot , then it will need to increase the case height)

Drive bay : 1 x 2.5" HDD (1 x slim CD-ROM can be done by customer request)

Front panel: USB 2.0 x 2 ports

Power LED

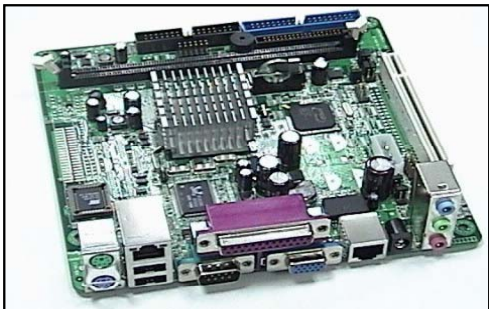
Stand: Optional

Bracket: Optional

MF-LX800

AMD Geode LX Mini-ITX Motherboard with AMD CS5536 Chipset

FEATURES



Supports AMD Geode LX, 433MHz (LX700) / 500MHz (LX800)

DDR DIMM x 1, Max. 1GB memory

One or two Realtek RTL8100C 10/100 Mbit Ethernet

Or RTL8110SC 10/100/1000 Mbit Ethernet

Integrated LX800/LX700 2D VGA controller

Supports VGA CRT and TFT/LVDS LCD display

4x USB 2.0, 2x COM ports,

Or 6x COM ports (optional)

Watchdog timer, Digital I/O, 1x PCI, +12VDC or +24VDC input

Serial Ports

Six Serial ports(COM2 can be RS422/485)

USB (2.0)

Supports 4 USB ports (2 ports + 2 ports via pin header)

IrDA

Pin header

Keyboard and Mouse Connector

PS/2 type

Watchdog Timer

Generates system reset; 256 levels

Hardware Monitoring

Built in W83627HF; monitors system/CPU temperature and voltage status

Digital I/O

4 in / 4 out

Expansion Slot

1 PCI

Edge Connectors

PS/2 KB & Mouse, 4x USB, COM1, LPT, RJ45, VGA, LAN1 RJ45, LAN2 RJ-45 , SPDIF, DC-in

Onboard Connectors/Headers

COM2/3/4/5/6, 40 pins IDE, 44 pins IDE, FDD, USB, IrDA, 44-pin TFT interface

Form Factor

Mini-ITX Motherboard

Dimensions

170mm x 170mm

Environmental Factors:

operating temperature: 0°C~60°C (32°F~140°F)

Storage temperature: -20°C~80°C (-68°F~176°F)

MF-LX800 Motherboard SPECIFICATIONS:



CPU

AMD Geode LX

LX800 @ 500MHz (MB500F)

LX700 @ 433MHz (MB500)

Chipset

AMD CS3356 chipset

BIOS

Award BIOS, 4Mbit

System Memory

One DDR socket supports up to 1GB DDR SDRAM

266/333/400 DDR SDRAM

Integrated VGA

AMD LX800/LX700 built-in 2D graphics controller

Supports CRT and TFT LCD display

Supports 24-bit single channel LVDS

64MB shared memory

LAN

One or two Realtek RTL8100C for 10/100 or RTL8110S for 10/100/1000 Ethernet controller

RJ45 on board

Audio

Line in, Line out, Mic connectors on board

Multi I/O

AMD CS5536 + Winbond W83627HF + Fintek F81216D

Supports 1x IDE, 1x FDD, 1x KB, 1x Mouse, 6x RS232, 1x LPT

IDE Interface

One enhanced IDE channel supports 2 IDE devices; supports UDMA33/66/100

FDD Interface

Onboard FDD connector

MFI-LX800 Mini ITX Motherboard

Ordering Information:

1. MFI-LX800-1L-2S : one 10/100 MB Lan , 2 COM ports.
2. MFI-LX800-1L-G-2S : one 10/100/1000 MB Lan , 2 COM ports.
3. MFI-LX800-1L-6S : one 10/100 MB Lan , 6 COM ports.
4. MFI-LX800-1L-G-6S : one 10/100/1000 MB Lan , 6 COM ports.
5. MFI-LX800-2L-2S : two 10/100 MB Lan , 2 COM ports
6. MFI-LX800-2L-G-2S : two 10/100/1000 MB Lan , 2 COM ports.
7. MFI-LX800-2L-6S : two 10/100 MB Lan , 6 COM ports.
8. MFI-LX800-2L-G-6S : two 10/100/1000 MB Lan , 6 COM ports.

