

FEP-800

Fanless High Performance Barebone System with AMD LX800 Processor

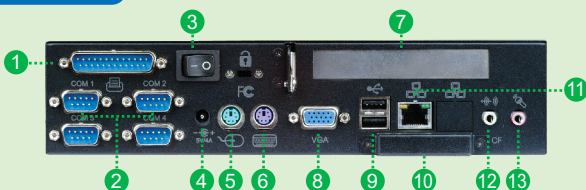


FEP-800 is a high performance, robust and Fanless Embedded Box Computer. The FEP-800 Embedded Box Computer is equipped with AMD latest 0.9W LX800 processor, which is highly suitable for embedded and industrial PC applications requiring reliable performance and fanless solution within a limited space. Featuring one PCI slot and one external CF card slot for application expansion and system integration, FEP-800 Embedded Box Computer also carries four serial port communication I/O interfaces with option for +5V or +12V power. It can support up to 1 GB DDR400 SDRAM of main memory and has support for dual Ethernet interfaces and optional Gigabit Ethernet gives FEP-800 Embedded Box Computer great flexibility for mission critical environments. FEP-800 is ideal for embedded system applications such as machine automation, and industrial plant and cabinet integration.

Features

- Built in Fanless AMD 0.9W LX 800 CPU
- Four serial ports and dual USB ports
- One PCI slot and one CF card slot
- Dual Ethernet 10/100Mbps ports
- Dual Ethernet Gigabits LAN (Optional)
- Compact size and robust construction with high performance
- Window CE 5.0, Window XP Embedded and Linux ready solution

I/O Interface



- | | |
|-------------------------|---------------------------|
| 1. 1 x LPT Port | 8. VGA Port |
| 2. 4 x RS232 Ports | 9. 2 x USB Port |
| 3. On/off Rocker Switch | 10. CF Card Slot |
| 4. DC In | 11. Ethernet (RJ-45) Port |
| 5. PS2 Mouse | 12. Speaker Out |
| 6. PS2 Keyboard | 13. Mic. In |
| 7. PCI Slot | |

Specifications

General	
CPU	AMD 0.9W LX 800@500Mhz processor
Chipset	AMD CS5536
BIOS	AWARD 512KB Flash BIOS
System Memory	SO-DIMM DDR400 up to 1GB Memory
Watchdog Timer	Software programmable
Battery	Lithium 3.0V/220mAH
Power Requirements	+5V@4A
LED	Power & HDD Led

Display	
Chipset	AMD CS5536
Display Memory	2D Graphic Display controller Shared system memory up to254MB
Display Interface	1 x VGA port D-Sub 15 connector

Network Interface	
Ethernet	1 x RJ45 Realtek RTL8100CL 10/100BaseT Ethernet Controller, Expand up to 2 x RJ45 Realtek RTL8100CL (Optional)
Ethernet (Optional)	Dual Gigabit Ethernet LAN

Storage	
IDE	1 x AT66 Channel IDE devices (2.0mm Connector)
SSD	Type I/II Compact Flash

I/O	
Parallel Port	1 x LPT
GPIO	8-bit digital I/O
USB 2.0	2 x USB port, 2 x USB (Pin Header)
Serial Ports	4 x RS232 ports (+5v, 12v)
Audio	Mic-in, Speaker out (ALC203)
Expansion slot	1 x PCI Slot
Keyboard	2 x PS/2 supports PS2 Keyboard & Mouse
Power Switch	On/off rocker switch
Safety Lock	Hole for Kensington lock

Software Options	
Window CE 5.0	
Window XP Embedded SP2	
Embedded Linux	

Mechanical	
Construction	Aluminum Housing
Dimension (W x H x D)	211mm x 72mm x 132mm
Weight	0.8 kg

Power Supply	
Input Voltage	100~240V~0.8A 50-60Hz
Output Voltage	+5V@4A (20W Max.)

Environmental Specification	
Operating Temperature	-10~45°C (14F~113F)
Storage Temperature	-20~-80°C (-4F~176F)
Relative Humidity	5 to 95%@40°C non-condensing

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