IEM-LX

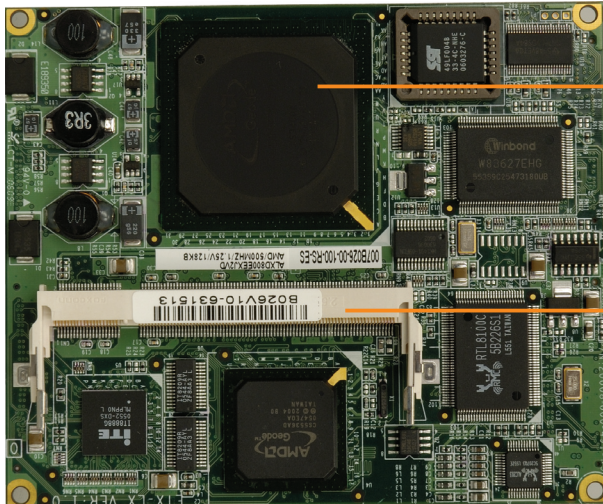## AMD LX800 Highly Integrated ETX Module
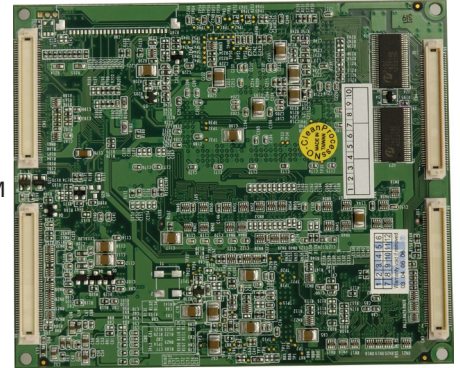
ETX CPU Module with AMD LX800 CPU onboard, USB 2.0, LAN & Audio

AMD LX800 onboard CPU

200-pin DDR SO-DIMM SDRAM

Solder Side

RoHS   Lead Free

Feature

1. ETX (Embedded Technology eXtended) form factor for flexible base board design
2. AMD LX800 low power fanless processor module
3. DDR 333/400MHz SO-DIMM SDRAM up to 1GB
4. USB 2.0, LAN, Audio ready for base board

Specification

DDR400   DDR333   HI-SPEED USB CERTIFIED   Microsoft Windows Embedded

CPU
AMD LX800 processor

System Chipset
AMD CS5536

BIOS
AWARD

System Memory
1 x 200-pin DDR 400/333MHz SO-DIMM SDRAM up to 1GB

Ethernet
10/100Base-T RTL8100C

I/O
4 x USB 2.0
1 x LPT
1 x CFII
1 x IDE
Multi COM ports supports by base board

Audio
AC'97 Codec Realtek ALC23A

Super I/O
W83627EHG

Display
CRT integrated in AMD LX800

TTL/ LVDS
24-bit TTL integrated in AMD LX800
18-bit LVDS

Watchdog Timer
Software programable supports 1-255 sec. system reset

Power Supply
AT/ATX support

Power Consumption
+5V@0.92A
(AMD LX-800 CPU with DDR 333MHz 256MB RAM)

Temperature
Operation: 0 ~ 60° C (32 ~ 140° F)

Humidity
Operation: 5% ~ 95%, non-condensing

Dimension
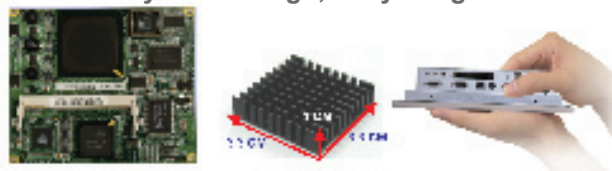95 mm x 114 mm

Weight
GW: 650g; NW: 250g

IEM-LX Advantages

ETX is an industry standard System-On-Module (SOM) technology. By choosing integrated CPU and memory module and customized baseboard with I/O functionality, embedded product solutions could be incredibly efficiently and economically.
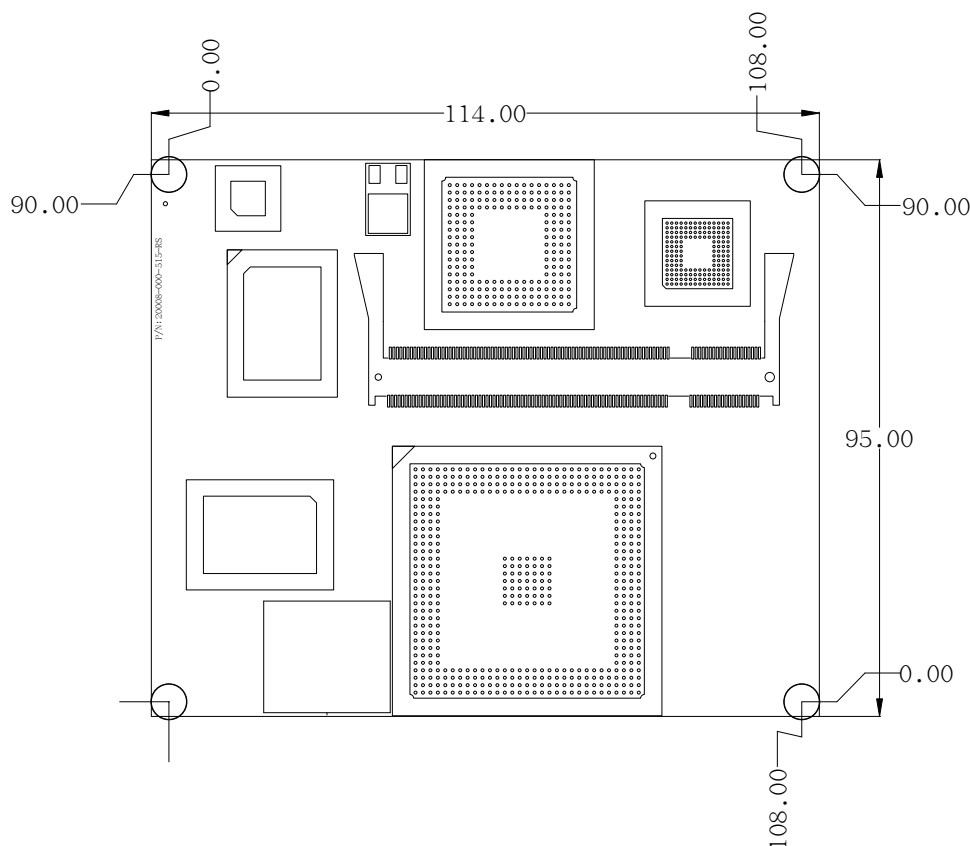
Benefits
- Time Advantage !
- • Complete PC functionality with x86 architecture
- • Cost saving in engineering and developing
- • Time to market in software designing and scheduling
- Design Advantage !
- • Customize designing in reliable connectors
- • Easy upgrading with no redesign needed in the event of component end of life
- • Extremely slim low power fanless design
- Installation/Size Advantage !
  Gas-proof connectors and mounting holes enable rugged applications.

Extremely Slim Design, Easy Integration

Dimension

Packing List

1 x IEM-LX single board computer	1 x Utility CD
1 x Mini jumper pack	1 x QIG (quick installation guide)

Ordering Information

Part No.	Description
IEM-LX-800-R10	AMD LX800 500MHz processor, CRT/LCD, LAN & Audio
IEM-DB-7S-R20	ATX size 7-slot ETX baseboard for ETX CPU board