

PM-LX-800

Quick Installation Guide

Version 1.1

Mar 13, 2007

Package Contents

PM-LX-800 package includes the following items:

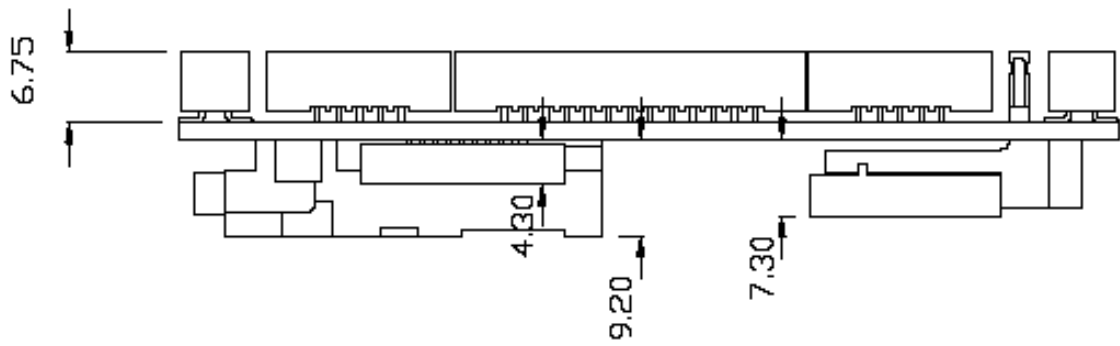
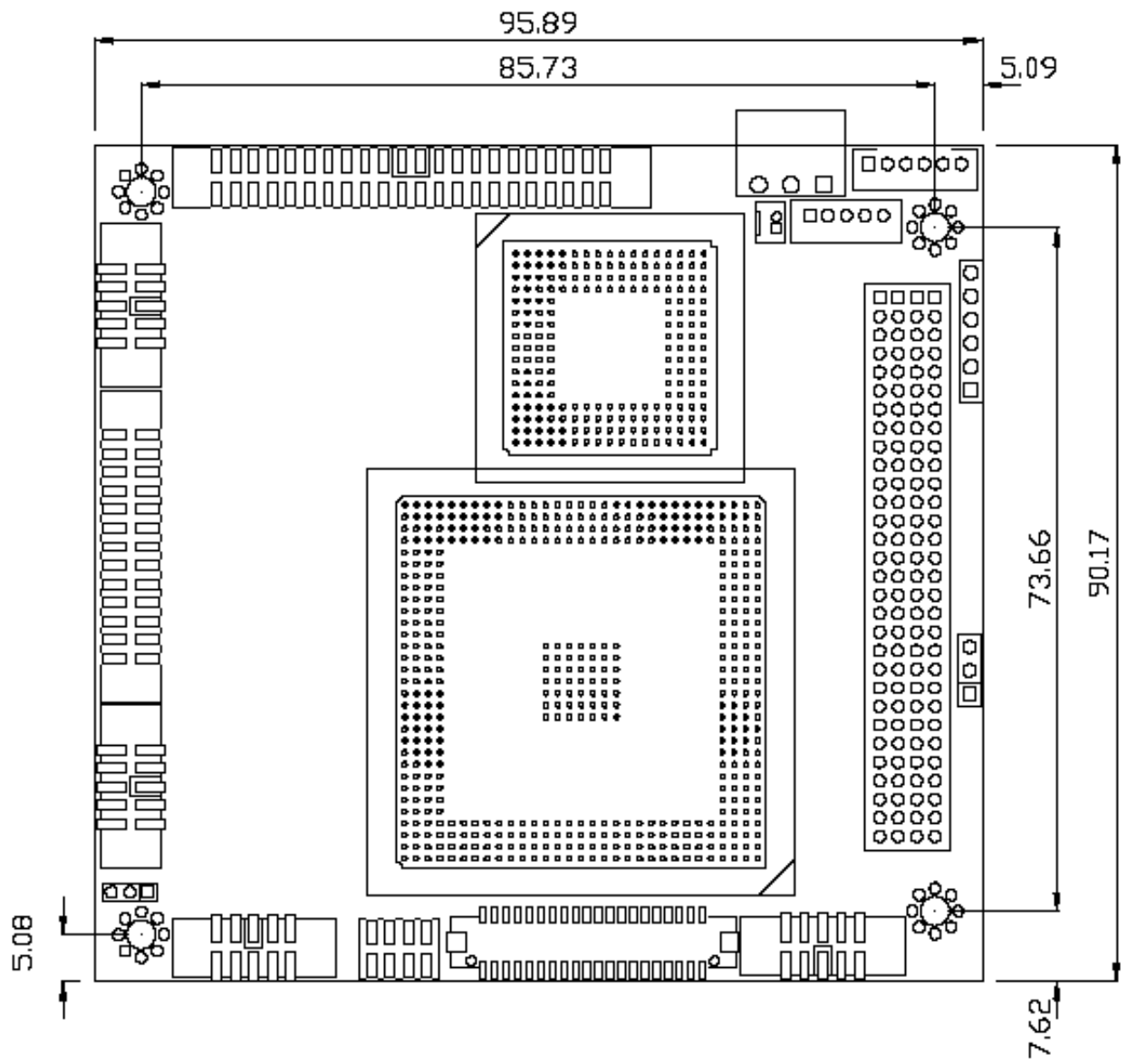
- 1 x PM-LX-800 Single Board Computer
- 1 x ATA33 Flat Cable
- 2 x RS-232 cable
- 1 x VGA cable
- 1 x LAN cable
- 1 x KB/MS cable
- 1 x USB cable
- 1 x Power cable
- 1 x Mini Jumper pack
- 1 x Utility CD
- 1 x QIG



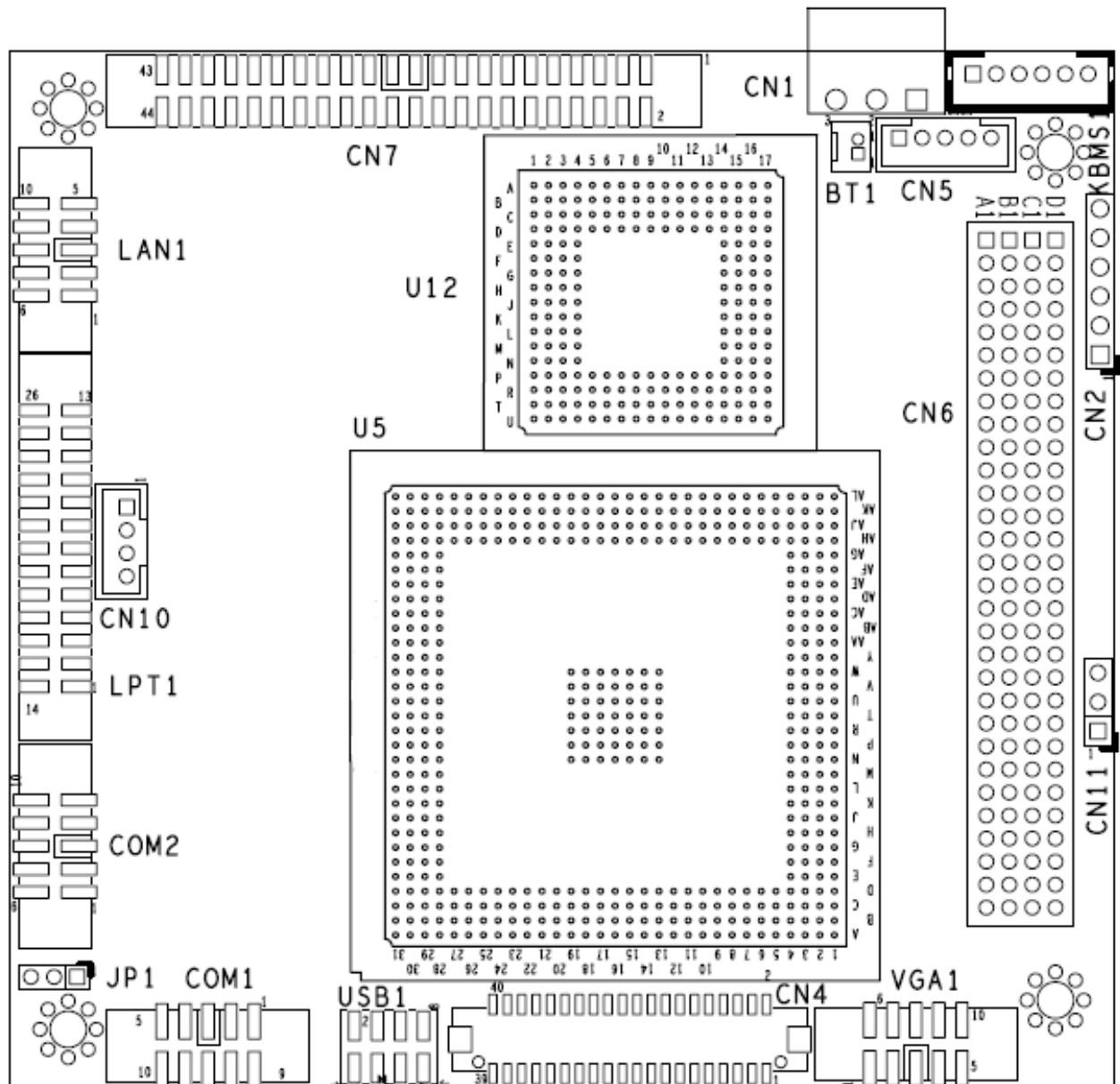
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Specifications

- CPU: AMD® LX-800 500MHz Processor
- System Chipset: AMD® LX-800 + AMD® CS5536
- BIOS: Award BIOS
- System memory:
 - 1 x DDR 200-Pin DDR333/400 SO-DIMM support up to 1GB
- Ethernet: 10/100 Mbps Realtek RTL8100C Ethernet
- I/O Interface:
 - 2 x USB2.0
 - 1 x LPT
 - 2 x RS-232
 - 1 x RS-422/485
 - 1 x PS/2 for KB/MS
 - 1 x IDE
- Expansions: 1 x PCI-104
- Supper I/O: W83627EHG
- SSD: CF Type II
- Display:
 - VGA integrated in LX800
 - 24-bit TTL
- WTD: Software programmable supports 1~255 sec. system reset
- Power Supply: 5V only, AT support
- Power Consumption:
 - 5V@1.13A(LX800-500MHz, DDR 400/1G RAM)
- Temperature: 0 ~ 60°C(32 ~ 140°F)
- Humidity: Operation: 5% ~ 95%
- Dimension: 95mm(L) x 95mm(W)
- Weight: NW:110g, GW:500g



Layout



Ordering Information

PM-LX-800-R11

PCI-104 SBC with AMD LX800 Processor, VGA / TTL, LAN,USB2.0, CF Type II

PM-LX-CE050

WindowsCE 5.0 Image & BSP S/W CD, Licensed Sticker(w/o CPU board)

PM-LX-XPE

WindowsXP Embedded Image & SLD S/W CD, Licensed Sticker(w/o CPU board)

32200-015100-RS: LPT Cable

32200-074800-RS: RS-422/485 Cable

Jumpers

| JP1: Com3 RS422 / RS485 Selector | |
|---|-------------|
| JP1 | Description |
| 1-2 | RS422 |
| 2-3 | RS485 |

| BT1: Battery Connector | |
|-------------------------------|-------------|
| PIN | Description |
| 1 | BAT+ |
| 2 | GND |

| CN1: +12V & +5V input Connector | |
|--|-------------|
| PIN | DESCRIPTION |
| 1 | VCC12 |
| 2 | GND |
| 3 | VCC5 |

| CN2: LED Connector | |
|---------------------------|-------------|
| PIN | DESCRIPTION |
| 1 | RESET1 |
| 2 | RESET2 |
| 3 | VCC5 LED+ |
| 4 | GND |
| 5 | HDD LED+ |
| 6 | HDD LED- |

| CN5: LCD Inverter Connector | |
|------------------------------------|-------------|
| PIN | DESCRIPTION |
| 1 | LCD_BKLTCTL |
| 2 | GROUND |
| 3 | VCC12 |
| 4 | GROUND |
| 5 | LCD_BKLEN |

| CN4: LCD Interface Connector | | | |
|-------------------------------------|-------------|-----|-------------|
| PIN | Description | PIN | Description |
| 2 | LCDVCC5 | 1 | LCDVCC5 |
| 4 | GND | 3 | GND |
| 6 | LCDVCC3 | 5 | LCDVCC3 |
| 8 | GND | 7 | N/C |
| 10 | B1 | 9 | B0 |
| 12 | B3 | 11 | B2 |
| 14 | B5 | 13 | B4 |
| 16 | B7 | 15 | B6 |
| 18 | G1 | 17 | G0 |
| 20 | G3 | 19 | G2 |
| 22 | G5 | 21 | G4 |
| 24 | G7 | 23 | G6 |
| 26 | R1 | 25 | R0 |
| 28 | R3 | 27 | R2 |
| 30 | R5 | 29 | R4 |
| 32 | R7 | 31 | R6 |
| 34 | GND | 33 | GND |
| 36 | VSYNC | 35 | FPCLK |
| 38 | HSYNC | 37 | LCDEN |
| 40 | DISPEN | 39 | N/C |

| CN10: Serial Port3 Connector (Pin-header 1x4 2.0mm) | |
|--|-------------|
| PIN | Description |
| 1 | RXD485- |
| 2 | RXD485+ |
| 3 | TXD485+ |
| 4 | TXD485- |

| CN11: -12V input Connector | |
|-----------------------------------|-------------|
| PIN | Description |
| 1 | N/C |
| 2 | GND |
| 3 | -12V |

| COM1,COM2: Serial Port1 Connector (Box-header 5x2 2.0mm) | | | |
|---|-------------|-----|-------------|
| PIN | DESCRIPTION | PIN | DESCRIPTION |
| 1 | DCD# | 6 | DSR# |
| 2 | RX | 7 | RTS# |
| 3 | TX | 8 | CTS# |
| 4 | DTR# | 9 | RI# |
| 5 | GND | 10 | GND |

| LAN1: LAN Connector (Pin-header 5x2 2.0mm) | | | |
|---|-------------|-----|-------------|
| PIN | DESCRIPTION | PIN | DESCRIPTION |
| 1 | VCC3.3 | 6 | Active |
| 2 | RX+ | 7 | RX- |
| 3 | Link | 8 | GND |
| 4 | N/C | 9 | GND |
| 5 | TX+ | 10 | TX+ |

| KBMS1: Keyboard & Mouse Connector | |
|--|----------------|
| PIN | Description |
| 1 | VCC5 |
| 2 | MOUSE DATA |
| 3 | MOUSE CLOCK |
| 4 | KEYBOARD DATA |
| 5 | KEYBOARD CLOCK |
| 6 | GND |

| USB1: Internal USB Connector | | | |
|-------------------------------------|-------------|-----|-------------|
| PIN | DESCRIPTION | PIN | DESCRIPTION |
| 1 | USBVCC1 | 2 | GND |
| 3 | D1F- | 4 | D2F+ |
| 5 | D1F+ | 6 | D2F- |
| 7 | GND | 8 | USBVCC1 |

| VGA1: 15-pin Female Connector | | | |
|--------------------------------------|-------------|-----|-------------|
| PIN | Description | PIN | Description |
| 1 | RED | 6 | DDCCLK |
| 2 | GREEN | 7 | DDCDAT |
| 3 | BLUE | 8 | GND |
| 4 | HSYNC | 9 | GND |
| 5 | VSYNC | 10 | GND |