



## ECM-LX800W

AMD Geode Processor LX800 3.5" Micro Module  
with AMD CS5536 Chipset

- > Onboard AMD Geode LX800 BGA Processor
- > AMD CS5536 Chipset
- > One 200-pin SODIMM up to 1 GB DDR SDRAM
- > Dual View, TFT, LVDS, 2-CH Audio
- > Dual Realtek RTL8101L LAN
- > ITE IT8888G PCI to ISA Bridge
- > 1 PC/104, 1 CF, 2 SATA, 4 COM, 4 USB, 16-bit GPIO
- > Fanless Operation

### + Spec

| System                     |                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                  | AMD Geode LX800 1-Core 500MHz processor                                                                                                                            |
| System Chipset             | AMD Geode LX800/CS5536                                                                                                                                             |
| System Memory              | 1 x200-Pin DDR 333MHz SO-DIMM up to 1 GB<br>or 1 x200-Pin DDR 400MHz SO-DIMM up to 1 GB                                                                            |
| I/O Chip                   | Winbond W83627DHG-PT                                                                                                                                               |
| BIOS                       | Award 4Mbit Flash BIOS                                                                                                                                             |
| Watchdog Timer             | H/W Reset: 1sec.~255min. and 1sec. or 1min./step                                                                                                                   |
| H/W Status Monitor         | Monitoring System Temperature and Voltage with Auto Throttling Control                                                                                             |
| Expansion                  |                                                                                                                                                                    |
| Expansion                  | 1 xPC/104                                                                                                                                                          |
| Storage                    |                                                                                                                                                                    |
| Storage                    | 1 xCompactFlash Type III Socket                                                                                                                                    |
| I/O                        |                                                                                                                                                                    |
| USB                        | 4 x USB 2.0                                                                                                                                                        |
| SATA                       | 2 xSATA II                                                                                                                                                         |
| COM Port                   | 1 xRS-232/422/485<br>3 xRS-232<br>1 x LPT                                                                                                                          |
| DIO                        | 1 x16bit GPIO                                                                                                                                                      |
| MIO                        | 1 xPS2/ KB & MS<br>1 xEIDE<br>1 xIrDA                                                                                                                              |
| Display                    |                                                                                                                                                                    |
| Chipset                    | AMD Geode LX800 Integrated Graphics<br>Supports dual display                                                                                                       |
| Resolution                 | VGA:Max. resolution 1920x1440@ 85Hz<br>LVDS:Max. resolution 1600x1200@ 85Hz<br>CRT + LVDS, CRT + TTL<br>Single channel 18/24-bit LVDS, support 18/24 bit TFT Panel |
| Audio                      |                                                                                                                                                                    |
| Chipset                    | Realtek ALC203<br>supports 2-CH                                                                                                                                    |
| Audio Interface            | Mic-in, Line-in, Line-out,CD audio-in                                                                                                                              |
| Ethernet                   |                                                                                                                                                                    |
| Chipset                    | 2 xRealtek 8101L                                                                                                                                                   |
| Ethernet Interface         | 1000 Base-Tx Gigabit Ethernet Compatible                                                                                                                           |
| LAN Port                   | 2 x RJ-45                                                                                                                                                          |
| Mechanical & Environmental |                                                                                                                                                                    |
| Power Requirement          | +5V @ 1.97A, +12V @ 0.10A (with AMD Geode LX800 @ 0.9W 500MHz & 1GB DDR 333 SDRAM) * Note: +12V is for LVDS Inverter Only                                          |
| Power Type                 | AT/ATX                                                                                                                                                             |
| Operating Temp             | 0°C ~ 60°C (32°F ~ 140°F)                                                                                                                                          |
| Storage Temp               | -40°C ~ 75°C (-40°F ~ 167°F)                                                                                                                                       |
| Operating Humidity         | 0% ~ 90% Relative Humidity, Non-condensing                                                                                                                         |
| Dimension (L x W)          | 5.7" x 4" (146mm x 101mm)                                                                                                                                          |
| Weight                     | 0.44lbs (0.2kg)                                                                                                                                                    |
| Certifications             |                                                                                                                                                                    |



|                                  |                              |
|----------------------------------|------------------------------|
| <b>Certification Information</b> | CE<br>FCC Class A            |
| <b>Software Support</b>          |                              |
| <b>OS Information</b>            | Win XP<br>Win 2000<br>Win CE |

**+ Ordering**

ECM-LX800-18-A2R  
3.5" LX800 W/PC104/18bit/4COM/Std.Temp/A2  
ECM-LX800-24-A2R  
3.5" LX800 W/PC104/24bit/4COM/Std Temp/A2

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660