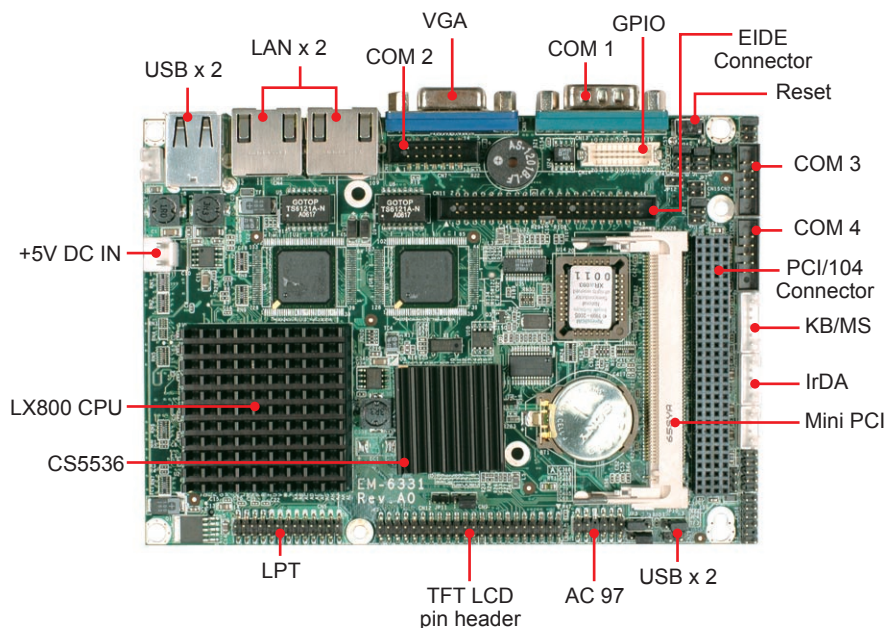


EM-6331

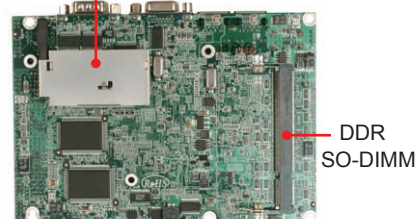
AMD® Geode™ LX800 Low Power Embedded SBC with PCI/104, Mini PCI, VGA/LCD, LAN, Audio & SSD



Features:

- Low power consumption max. 12 W
- Embedded AMD® Geode™ LX800 CPU up to 500MHz
- Supports one DDR SO-DIMM up to 1GB memory
- Supports two 10/100Mbps PCI bus Ethernet ; four serial ports ; four USB 2.0 ports
- Supports CRT, 18/24-bit TFT interface, dual display

CompactFlash socket



System

CPU	AMD® Geode™ LX800, 500MHz
BIOS	Award® 512KB Flash BIOS
System Chipset	AMD® Geode™ CS5536
System Memory	1 x 200-pin DDR SO-DIMM socket supports DDR 333/400 max. up to 1GB w/o ECC registered
Power Management	APM 1.2, ACPI supported
SSD	50-pin CompactFlash™ type II (DMA mode CompactFlash™)
Watchdog Timer	255 levels timer interval, (1 ~ 255 seconds), setup by software. Jumper set up for system reset or IRQ
Expansion Interface	PCI/104 connector & Mini PCI connector
Battery	Lithium 3V/200mAH

I/O

I/O Chipset	Winbond® 83627HG
I/O Interface	1 x EIDE, 1 x PS/2 KB/Mouse, 3 x RS-232, 1 x RS-232/422/485, 1 x LPT, 1 x IrDA
USB	4 x USB ports, USB 2.0 compliant
Audio	Supports AC97 audio stereo sound (Min in & Speaker out)
GPIO	8-bit TTL input & 8-bit TTL output

Ethernet

Chipset	Intel® 82551ER or Realtek® 8139CL
Speed	10/100Mbps
Interface	2 x RJ-45
Standard	IEEE 802.3u (100Base-T) protocol compatible

Display

Chipset	AMD® Geode™ LX800
Memory Size	2 ~ 254MB frame buffer sharing system memory
Resolution	CRT mode: 1920 x 1440 x 32bpp at 85Hz, 1600 x 1200 x 32bpp at 100Hz
LCD/ LVDS Interface	LCD/Simultaneous mode: 1024 x 768 x 16bpp at 60Hz LVDS: 18/24 bit LVDS supports via optional AW-R053A/B
Dual Simultaneous Display	CRT+ LCD or CRT+ LVDS

Mechanical and Environment

Dimension (L x W)	145mm (L) x 102mm (W) (5.7" L x 4" W)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	10% ~ 95 relative humidity, non-condensing
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Humidity	5% ~ 95% relative humidity, non-condensing

Power

Power Supply Voltage	Single +5V power in, AT/ATX power control
Power Consumption	LX-800 (500MHz)@256MB DDR400 Max (XP, Vpower): 12W, +5V@2.4A

Packing List

- 1 x EM-6331 SBC
- 1 x CD (Manual, Quick installation guide, Utility driver)
- 1 x IDE cable (p/n: 46L-I00IDE-00)
- 1 x COM port cable (p/n: 46L-ICOM02-00)
- 1 x 6+6 KB/MS cable (p/n: 46L-IPS266-00)
- 1 x Vertical type to 4P power cable (p/n: 46L-IPOW30-00)

Ordering Information

Standard	
EM-6331A-050	3.5" SBC with AMD® Geode™ LX 800 , PCI/104, Min PCI, VGA, LCD, LAN (Intel® 82551ER), Audio, SSD
EM-6331B-050	3.5" SBC with AMD® Geode™ LX 800 , PCI/104, Min PCI, VGA, LCD, LAN (Realtek® 8139CL+), Audio, SSD
Optional	
AW-R031	Audio kit with Mic in & Speak out
AW-R053A	LVDS kit supports 18-bit
AW-R053B	LVDS kit supports 24-bit
46L-ICOM01-00	COM port cable (2mm)13CM/ RoHS
46L-IUSB03-00	USB cable 2x5 (2mm)
46L-ILPT01-00	Printer cable (2mm) 13cm/ RoHS

* Note : All specifications are subject to change without prior notice