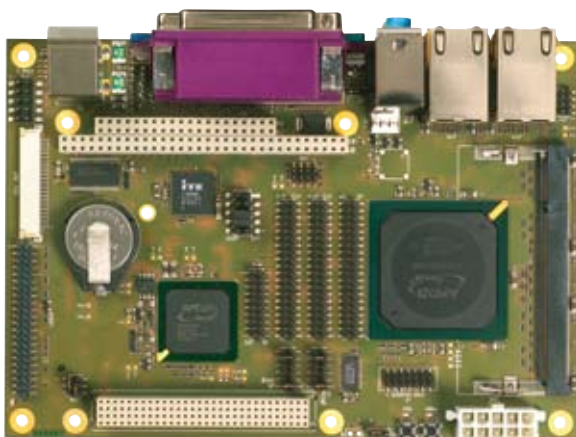


Hurricane-LX800

EPIC Single Board Computer

AMD Geode™ LX800 Processor



Specifications

Board Format	EPIC, 115 mm x 165 mm (4.5" x 6.5")
Processor	AMD Geode LX800@0.9W
Speed	500 MHz
Core Logic	I/O companion: CS5536 Super I/O: ITE8712
RAM (max.)	1 GB DDR333-SODIMM
RAM clock	333 MHz
Graphics	Integrated in the Geode LX800. Up to 254 MB video memory.
CRT	Analog VGA, 1920 x 1440 pixel at 85 Hz max.
TFT	Single channel, 18 bits 1600x1200 pixel at 60 Hz max.
LVDS	Single channel, 18 and 24 bits 1600x1200 pixel at 60 Hz max.
USB	4 x USB 2.0 host ports
Ethernet	100/10 MBit Micrel KSZ8842 dual port Ethernet switch
Serial	2 x RS232/RS422/RS485 1 x RS485/Irda
IDE	1 x Ultra ATA100 (ATA6) port
uDOC	10 pin header for USB 2.0 Flash Drives
Floppy	Up to 2.44 MB
Audio	AC97, 6-channel (5.1) audio with 3.5 mm connector

Features

AMD Geode™ LX800 Processor, 500 MHz, 1 GB DDR333 RAM max.

Graphics up to 1920 x 1440 pixels - CRT, TFT, LVDS, with backlight

Dual port LAN switch, 4 x USB 2.0

2 x RS232/RS422/RS485, 1 x RS485/Irda

IDE Ultra ATA100, uDOC socket

Opt. ext. temperature range -40 °C...+85 °C

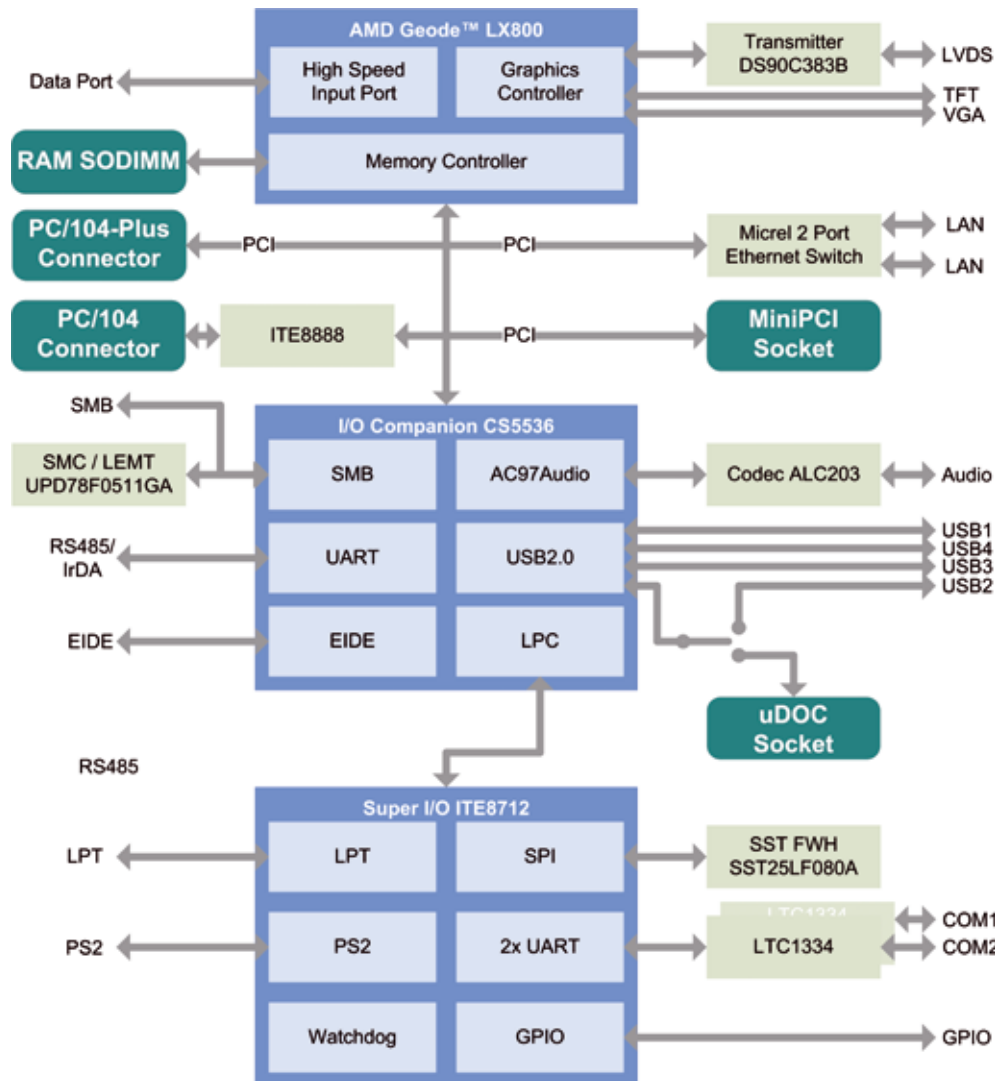
LPT	Multi-Mode™ bi-directional Parallel
PS2	Keyboard, mouse
Digital I/O	29 general purpose I/O signals
Analog I/O	8 channels, 8 bit, 0...4.096V
High Speed Input Port	Raw 16 bit input with 300 Mb/s isochronous capture Video: VESA 1.1, 2.0 and BT.656 compliant.
RTC Backup	Yes
Watchdog	Yes
Status LED	HDD, power, standby
ISA Bus	PC/104, with full DMA capability
PCI Bus	PC/104-Plus MiniPCI, 3.3V compliant
LPC Bus	Available
RTC Backup	Battery on board
Power Supply	10 pin mini-ATX power connector. All voltages are generated on-board.
Power Consumption	5.25W typical 7W maximum
Operating temperature	-20 °C...+60 °C -40 °C...+85 °C (optional)
Cooling	Passive
MTBF	248 283 hours at 25 °C
BIOS	Insyde Technology BIOS parameters are also saved in EEPROM
Supported OS	Windows XP, XP Embedded, Windows CE, Linux, VxWorks

Hurricane-LX800

EPIC Single Board Computer

AMD Geode™ LX800 Processor

Block Diagram



Ordering Information

Ordering Number	Description
<i>t10-0001-10</i>	EPIC board with AMD Geode LX800, 4 x USB2.0, RTC, IDE, floppy disk, 2 x COM, LPT, PS/2 keyboard and mouse, watchdog, VGA, LCD, LVDS, 2 x Fast Ethernet, 8 Bit I/O, AC97 Sound.

Note: *t* denotes the temperature range. Substitute with 8 for industrial and 9 for extended temperature range

LiPPERT Embedded Computers GmbH
Hans-Thoma-Str. 11 · D-68163 Mannheim
Phone +49 621 43214-0 · Fax +49 621 43214-30
sales@lippertembedded.com
www.lippertembedded.com

LiPPERT Embedded Computers, Inc.
2220 Northmont Parkway Suite 250
Duluth, GA 30096
Phone +1 (770) 295 0031 · Fax +1 (678) 417 6273
ussales@lippertembedded.com

LiPPERT
THE EMBEDDED PC COMPANY