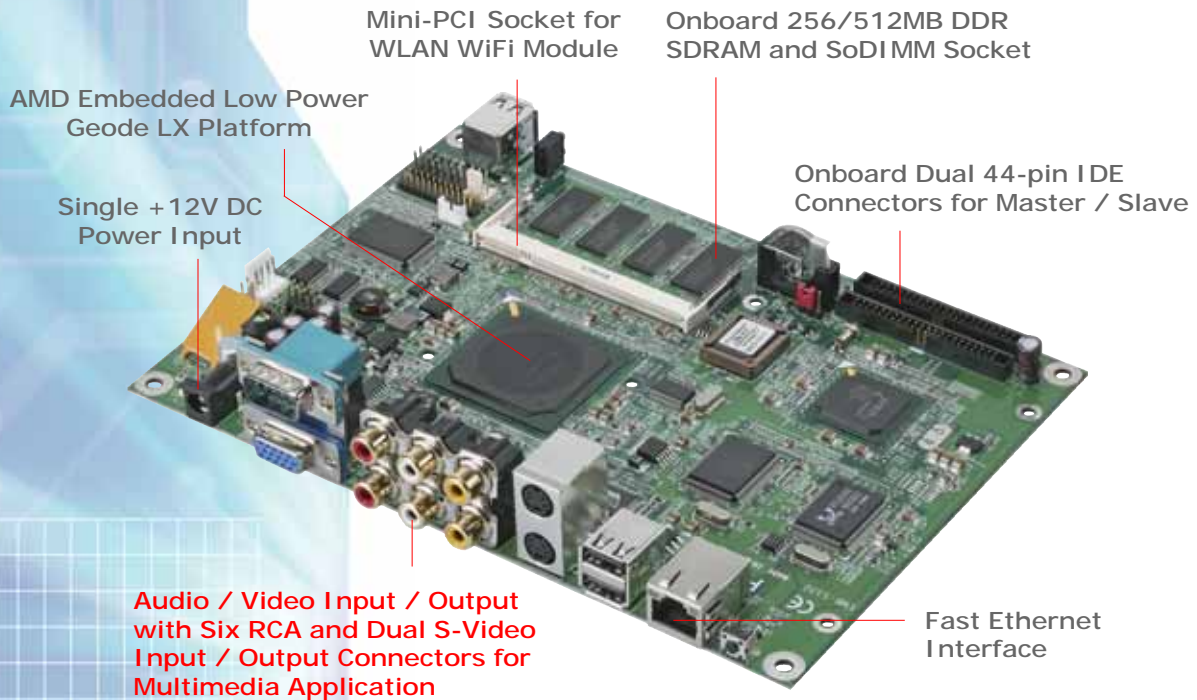


EMB-5530

AMD Geode LX Multimedia EmBoard



The Liantec EMB-5530 is an all-in-one industrial embedded multimedia motherboard based on the 5.25-inch drive size EBX form factor, AMD Geode LX CPU platform with CS5536 southbridge, features the onboard AMD low power Geode LX CPU, 512MB DDR SDRAM, Fast Ethernet, mini-PCI and CompactFlash sockets, and audio / video input / output RCA and S-Video video input / output multimedia interfaces. With AMD Geode LX technology and onboard integrated A/V in/out multimedia interface, the EMB-5530 meets the demand of PC-based audio / video multimedia applications including digital signage, media server, STB and other industrial multimedia applications based on the Small Form Factor (SFF) x86-based computing solution.

Key Features

- AMD embedded Geode LX x86-compatible family with 64KB L1 I / 64KB L1 D and 128KB L2 cache, integrated FPU supports Intel MMX and AMD 3DNow!.
- AMD fanless Geode LX700 / 433MHz with 3.1W TDP and 1.3W typically.
- Onboard optional 256 / 512 MB DDR SDRAM and one DDR DIMM socket. Total memory capacity supports up to 1.5GB DDR SDRAM.
- AMD Geode LX platform built-in VGA core.
- Onboard Gbit Ethernet, USB 2.0, mini-PCI and CompactFlash socket.
- External audio / video input/output RCA and S-Video video input / output multimedia interfaces with red / white / yellow RCA and dual S-Video.
- Single +12V DC power operating with external power jack.
- Compact, slim type and fanless barebone solutions are available.



EMB-5530

5.25" Drive-size Multimedia EmBoard
Onboard AMD Geode LX CPU, 256MB SDRAM
with Audio / Video Input / Output RCA Connector
Fast Ethernet, USB 2.0, Single 12VDC Operating



Form Factor

5.25-inch drive size EBX form factor at 203 x 146 mm

CPU

AMD embedded Geode LX processor x86-compatible family
64KB L1 I / 64KB L1 D and 128KB L2 cache
Integrated FPU supports Intel MMX and AMD 3DNow!
Geode LX900 @ 600MHz with 5.1W TDP and 2.6W typically
Geode LX800 @ 500MHz with 3.6W TDP and 1.8W typically
Geode LX700 @ 433MHz with 3.1W TDP and 1.3W typically
Ultra low power for fanless operating

Memory

Onboard 256 MB DDR SDRAM and one DDR SoDIMM socket
Total memory capacity up to 1256 MB DDR SDRAM

Chipset

AMD Geode LX platform with CS5536 chipset

Watchdog Timer

Programmable system reset watchdog timer

PCI Enhanced IDE Port (DiskOnModule)

One UltraATA100 IDE port with dual 44-pin IDE connectors
with +5Vdc Vcc for master / slave mode ATAPI devices
Supports dual 44-pin DiskOnModule (DOM) flash disk
with PIO mode 4 and Multi-Word mode 2 (MW-2)
up to 11 MBps read / 7 MBps write on MW-2 mode

Multimedia Audio/Video In/Out RCA Interface

CRT Video Output Interface

AMD Geode LX platform built-in graphics core
supports 1920 x 1440 of resolution on CRT mode
External DB15 female VGA connector

TV Video Output Interface (640 x 480 x 16-color only)

Onboard VIA VT1622 TV-out encoder with NTSC / PAL mode
External RCA (yellow) and S-Video video-out connectors

TV Video Input Interface

Onboard PCI BT878A video capture interface
External RCA (yellow) and S-Video video-in connectors

Audio Input / Output Interface

AMD CS5536 chipset with onboard ALC202A AC97 codec
External 4 RCA (red/white) for audio-in R/L and audio-out R/L

External Multimedia RCA Connector

6 RCA array for audio-in/out R/L and TV-in/out interfaces

Hi-Speed USB 2.0 and Multi-I/O Port

External 2 front and 2 rear Hi-Speed USB 2.0 ports
One external and one internal RS232 COM port
One internal parallel LPT port

Ethernet Interface

Onboard RTL8100C Fast Ethernet interface
10/100BASE-TX auto-switching, IEEE802.3U compliant
External RJ45 connector with LED on rear I/O panel

External I/O Port and Indicated LED

Rear I/O Panel

DC power jack (optional internal 2-pin power wafer)
VGA and RS232 COM port
Audio / Video Input / Output 6 x RCA connectors
- Audio-in Right / Audio-out Right RCA (red)
- Audio-in Left / Audio-out Left RCA (white)
- Video-in / Video-out RCA (yellow)
S-Video Input / Output connectors
Dual Hi-Speed USB 2.0 ports
RJ45 Ethernet connector
ATX-type power switch

Front I/O Panel

2 Hi-Speed USB 2.0 ports
Power / access LED

Environment

Power Requirement: single +12V DC power operating
Board Dimension: 203 x 146 mm (L x W)
Operation Temperature: 0 ~ 60°C (32 ~ 140°F)

Ordering Code

EMB-5530L7TC-256

5.25" Drive-size AMD Geode LX700 Multimedia EmBoard
with AMD LX700 CPU, Onboard 256MB DDR SDRAM
Audio / Video Input / Output RCA and S-Video Connectors
and VGA, Fast Ethernet, USB 2.0 Interface.

EMB-5530-OEM

Customized EMB-5530 EmBoard with Board-mounted
AMD embedded Geode LX Family Fanless Platform, DDR
SDRAM, Optional Ethernet Configuration and Functions.

Please visit the website of <http://www.liantec.com> for the further information.