

# NEXUS-800

AMD® LX800 + CS5536 Single Board Computer



## Overview

NEXUS-800 SBC is an X86-base single board computer equipped with the AMD Geode LX series processor and on chip VGA output provides resolution up to 1600x1200.

NEXUS-800 is suitable for HMI, POS, Kiosk, gaming industry, NEXUS-800 offers lower power consumption AMD Geode LX800 Processor with versatile display and I/O port selections, which is the best fanless solution for embedded applications.

The network controller uses RealTek RTL8100C+ LAN controller, a fully integrated 10/100BASE-TX solution with high performance networking functions. The NEXUS-800 SBC includes a 200-pin SO-DIMM memory sockets for up to 512 MB memory, one on-board serial ports and four USB ports.

## Ordering Information

ITEM	CONTENT
NX-0800-500	AMD GEODE LX800 500MHz SBC

\* RoHS Compliant

## Specification Highlight

ITEM	CONTENT
CPU	AMD LX800 (500MHz CPU)
Chipset	AMD LX800 and CS5536
RAM memory	Supports one 200-pin SO-DIMM DDR400 SDRAM, Max. 512 MB
VGA Controller	Embedded VGA controller, Resolution up to 1600x1200
Display Interface	CRT-D-SUB 15-pin female connector
Ultra ATA IDE Interface	The south bridge CS5536 supports Ultra ATA-33/66/100/133 IDE interface. To support one Compact Flash, Type-II socket
Series ports	On-board D-SUB 9-pin male external port for COM1 with RS-232
Parallel Port	On-board one D-SUB 25-pin female external port for Parallel port LPT1, supports SPP/EPP/ECP modes.
Expansion Slot	On-board one Mini PCI Connector (Option)
USB port	Four external port for 4 USB ports
Audio	onboard AC'97 Codec, Supports two channel Left/Right Line-Out and MIC-In port
Ethernet	RTL8100C+ chipset, supports 10/100M baseT with RJ-45 connector built-in LED.
K/B & Mouse	On-board PS/2 Keyboard and Mouse connector
Power Connector	DC Jack power connector
Dimensions	170 mm x 130 mm

## About GZ TECH

We are member of Microsoft Embedded Partner, has more than 150 years' engineering experiences in Industrial and Gaming Solutions, especially ARM series processors with Windows CE, and Linux support. Our focus is to provide complete system level solutions for the customers to develop reliable and cost effective embedded products such as Industrial controller, HMI, POS, Kiosk, Gaming, Medical and Advertisement solutions.



5F-1, No.94, Baozhong Rd., Sindian City, Taipei 231, Taiwan  
Tel: +886-2-66289688 E-mail: sales@gztech.com.tw  
Fax: +886-2-66288628 http://www.gztech.com.tw