

EMB-CPU03

AMD Geode Single board computer



INTRODUCTION

The EMB-CPU03 is the low cost Single Board Computer(SBC) which equipped a processor (AMD Geode LX800) of low power and heat. This product provides a suitable solution in an embedded market wanting low power and small size.

FEATURES

- ◆ AMD Geode LX800 500MHz processor
- ◆ 256MB, up to 1GB DDR SODIMM SDRAM
- ◆ 20Gbyte 1.8inch IDE HDD, optional Compact Flash card
- ◆ Max 1920x1440 VGA output, optional TFT LCD video output
- ◆ AC97 codec sound
- ◆ 2xUSB I/O optional 2xCOM, 2xUSB, 1xParallel, 2xPS2
- ◆ One Ethernet 10/100/1000
- ◆ One PCI 32bit 33MHz Interface

APPLICATION

- ◆ Home Network
- ◆ Control Equipment
- ◆ Factory automation
- ◆ Data acquisition
- ◆ Medical and robotics
- ◆ Auto PC UMPC (Ultra Mobile PC)
- ◆ Instrument control
- ◆ PC Music player

PHYSICAL DIMENSION

- 160mmx100mm Small size
- +5V Single power

SOFTWARE

- ▣ **Operating system**
 - Windows 2000/XP
- ▣ **BIOS**
 - Insyde or General BIOS

H/W SPECIFICATIONS

Form Factor	160mm x 100mm
Processor type	AMD Geode LX800 500MHz processor
System Chipset	Intel System Controller Hub US15WPT
Bios	Insyde or General BIOS
Memory	256MB, up to 1GB DDR SODIMM SDRAM
Display	Max1920x1440 VGA output, (option)TFT LCD video output
Ethernet	one 10/100/1000 Mbps Ethernet port
EIDE	2mm pitch 44pin EIDE connector , 20Gbyte 1.8inch IDE HDD
Audio	HD Codec audio with mono speaker AMP
Serial I/O	(option) Two serial ports , one can be used as touch input
Parallel Port	(option) 1 Parallel
USB	Four USB A connectors
Status LEDS	Indication for Ready and operation
Power Input	Single +5 power
Operating Temperature	-40 to 50(without FAN and Heat-sink), -40 to +85 (with Heat-sink)
Power Consumption	Max 15W
Software	Windows 2000/XP
I/O option	2xCOM, 2xUSB, 1xParallel, 2xPS2

Configuration Map

