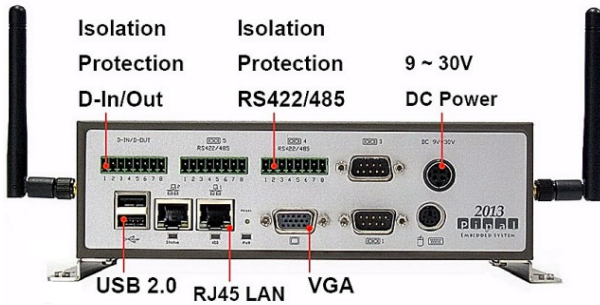


Pipal 2013

EPIC Fan-less platform with AMD LX-800 processor
LAN, USB , VGA, KB/MS, RS-232, PCI-104 plus ,
Mini- PCI, Isolation RS-422/485 & Isolation D-I/O



Feature highlight

AMD LX-800	Fanless	DDR 400	Mini-PCI	PCI-104	DC 9 ~ 30V
Wireless LAN *	FE LAN	VGA	USB	KB/MS	RS- 232
Isolation RS-422/ 485	Isolation D-I/O	2.5" IDE/ SATA	CF	Wall mount	Clip mount
Linux	Windows	ROHS	* : Optional function		

Specification

Fanless platform

- Low power low operation temperature
- Fanless platform w/o active cooling part failure problem

Form Factor

- EPIC CPU board Compact size Chassis , Heavy-Duty Steel

Dimension

- Compact size 200(W) X 130(D) X 60(H) mm

Processor with North Bridge

- AMD LX-800- 500 Mhz Ultra low power Processor
With 64KB I-cache / 64KB D-cache and 128KB L2 cache
- Integrate North bridge core logic inside

South Bridge

- CS-5536 South bridge Multi-Function Chipset

Memory

- High Reliable 266 / 400 Mhz DDR Memory
One channel SO-DIMM socket , up to 1GB w/o ECC

BIOS

- 512KB Award System BIOS

ACPI function

- Software Power off (ATX mode)
- Wake On LAN(S5)/ Keyboard(S1)/ Ring(S1)/ RTC alarm(S1)
- Suspend to RAM(S3)

Linux Driver supports

- Watch-Dog Timer Driver
- System status LED control Driver
- Event Trigger Driver from Push Button

Disk Drive Storage

- 1 SATA/ DMA 66/100 2.5" HDD Drive bay & 1 CF slot
- Selectable CF as Master + HDD as Slave
Or Selectable HDD as Master + CF as Slave

FE Ethernet

- 2 ports of PCI I/F Realtek 8100(FE) LAN controller
controller with RJ-45 connector
- Support MIDX media auto reverse function
- Support Boot from LAN function

Wireless LAN support

- Optional support Mini-PCI 802.11 b/g Wireless LAN module

Display support

- 1 DB-15 CRT VGA supported 1920x1440x32 bpp at 85 Hz
1600x1200x32 bpp at 100 Hz

PCI expansion slot supports

- 1 PCI-104 plus & 1 Mini-PCI expansion interface

Watchdog timer

- Software programmable WDT from 1 to 255 seconds

Ordering Guide

Ordering No.	CPU	Memory	RS-232	RS-422/485	D-in	D-out	Wireless	power	Power connector
Pipal 2013-135W	LX-800	512MB	2	2	3	2	802.11 b/g	24 w	Lockable power jack
Pipal 2013-132	LX-800	256MB	2	2	3	2	Without	24 w	Lockable power jack

Specification may change without notice

Support RS-422/485 w/ isolation protection

- Signal w/ 2500Vrms isolation protection (1 minute)
- 5V Power w/ 3000V DC isolation protection
- External jumper wire Enable/Disable Termination Resistor

Support Digital I/O w/ isolation protection

- 3 D-in , supports Dry / Wet contact , low level 0~3V,
High level 10 ~ 50V . 5000V isolation protection
- 2 D-out ,150ma drive capability . 5000V isolation protection

Multi-function Micro switch

- selectable function as: Reset/ Event trigger/ Power on/off

CMOS SRAM & Real Time Clock RAM

- 256 bytes CMOS RAM built-in chipset
- Backup by non-rechargeable Lithium cell battery

External I/O supports

- 1 DB-15 VGA connector
- 2 USB 2.0 connector
- 2 RJ-45 LAN connector
- 2 DB-9 RS-232 connector
- 2 RS-422/485 with 3.5 mm DIN connector
- D-in/out with 3.5 mm 8 pin DIN connector
- 1 KB/Mouse connector
- 1 DC input Power jack connector
- 1 switch for power on/off
- 3 LED for power / storage / status information

Internal reserved I/O supports

- 2 USB 2.0 connector
- 1 RS-232 connector

DC Power inquire

- DC input 9 ~ 30V

Power ON/OFF mode

- AT or ATX Power on/off mode

Color

- Black 4U

Environment

- Operation temperature : 0°C ~ 40°C
- Storage temperature : -20°C ~ 80°C
- Relative humidity : 10% ~ 90% (Non-condensing)

Power adapter

- 24W industry grade power adapter
- AC input : 90 ~ 264 V full range at 47 ~ 63 Hz
- DC output : 12V , 2A max. w/ lockable 4 pin mini-DIN con.
Or lockable power jack

Certification

- CE Class A
- FCC Class A