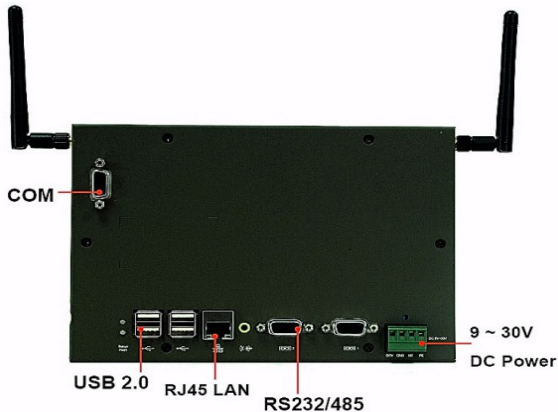


Pipal 2020

Fanless Panel EBC with AMD LX-800 processor
LAN , USB , VGA , LVDS/TTL-LCD , Touch Screen , CF ,
PC-104 , Mini-PCI , Audio , RS-232 / 485, Back-up SRAM



Feature highlight

AMD LX-800	Fanless	DDR 400	TTL / LVDS	VGA	DC 9 ~ 30V
Mini-PCI	Wireless LAN *	FE LAN	USB	Back-up SRAM	KB/MS
SATA	2.5" IDE	CF	RS-232/485	D-I/O	Audio
Linux	Windows	Win CE	Wall mount	ROHS	

* : Optional function



Specification

Fanless platform

- Low power low operation temperature
- Fanless platform without 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 43.5(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 SD-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

- 1 port 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/n Wireless LAN module

Display support

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

Touch Screen controller

- Support 4/5 Resistor type touch screen

Expansion slot supports

- 1 Mini-PCI expansion slot

Multi-function Micro switch

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

Audio support

- 1 Speaker , 1 Line-in and 1 microphone

Watchdog timer

- Software programmable WDT from 1 to 255 seconds

Battery Back-up SRAM & Real Time Clock RAM

- 256K bytes battery back-up SRAM
- 256 bytes CMOS RAM built-in chipset
- Backup by non-rechargeable Lithium cell battery

External I/O supports

- 4 USB 2.0 connector
- 1 RJ-45 LAN connector
- 2 DB-9 RS-232/485 connector
- 1 Speaker connector
- 2 LED for power / storage / status information
- 1 DC power input connector- 5.0mm 1*3 Din connector
- 1 switch for power on-off / Reset / Event trigger
- 1 VGA connector

Internal reserved I/O supports

- 1 TTL-LCD + 1 LVDS + 1 flat cable connector
- 1 RS-232 2.54 mm, optional Transceiver/non-Transceiver
- One 4/5 wire Resistor type interface of Touch Screen Panel
- 1 Audio connector
- 1 digital I/O
- 1 KB/Mouse connector

Power input

- DC input 9 ~ 36 V
- 1 DC power input connector- 5.0mm 1*4 Din connector

Power ON/OFF mode

- AT or ATX Power on/off mode

Environment

- Operation temperature : 0°C ~ 60°C
- Storage temperature : -20°C ~ 80°C
- Relative humidity : 10% ~ 90% (Non-condensing)

Certification

- CE Class A
- FCC Class A

Ordering Guide

Ordering No.	CPU	Memory	RS-422/485	Wireless	FE LAN	USB	PC-104	SRAM	Power
Pipal 2020-135W	LX-800	512MB	2	802.11 b/g	1	4	without	256KB	20 w w/ DIN con.
Pipal 2020-132	LX-800	256MB	2	Without	1	4	without	256KB	20 w w/ DIN con.
Pipal 2020-122	LX-800	256MB	2	Without	1	4	without	0KB	20 w w/ DIN con.

Specification may change without notice