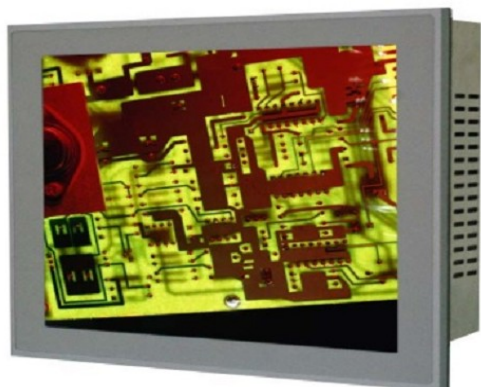


Lotus 1221

12.1" TFT-LCD Panel system , wide temperature ,
IP65 , NEMA 4 rugged protection , Aluminum front bezel
With fanless AMD LX-800 processor



Feature highlight

12.1" TFT-LCD	800*600	Meet IP 65 NEMA 4	AMD LX-800 Processor	DDR 400	DC 9 ~ 30V
PC-104 expansion *	Mini-PCI	FE LAN	USB	Back-up SRAM	Touch screen
SATA	2.5" IDE	CF	RS-232/485	Audio	Wireless LAN *
Fanless	-10 °C ~ 50°C	Linux	Windows	Win CE	ROHS

* : Optional function

Specification

LCD Technology / size

- 12.1" 18 bit LVDS TFT-LCD

Resolution

- 800 x 600 , 262K colors

Brightness

- 370 cd/m²

Pixel Pitch

- 0.3075 x 0.3075 mm

Contrast Ratio

- 500:1

View Angle (H-V)

- 120° / 100°

Backlight MTBF

- Long life CCFT 50,000hrs

Waterproof and Dustproof

- IP65 , NEMA 4 Compliant front panel

Touch Screen controller

- Support 5 Resistor type touch screen

Dimension

313 (W) x 69.6(D) x 239 (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)

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

Wireless LAN support

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

FE Ethernet

- 1 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

Expansion slot supports

- 1 Mini-PCI expansion slot
- 1 PC-104 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 ICH4 chipset
- Backup by non-rechargeable Lithium cell battery

External I/O supports

- 4 USB 2.0 , 1 RJ-45 LAN, 2 DB-9 RS-232/485, 1 DC power
- 2 LED for power / status information
- 1 Reset button

Internal reserved I/O supports

- 1 RS-232 2.54 mm, Multi-function micro switch connector
- 1 Audio , 1 VGA , 1 IR , 8 digital I/O , 1 KB/Mouse

Power input

- DC input 9 ~ 36 V

Power ON/OFF mode

- AT or ATX Power on/off mode

Environment

- Operation temperature : -10°C ~ 50°C
- Storage temperature : -20°C ~ 80°C
- Relative humidity : 10% ~ 90% (Non-condensing)

Certification

- CE Class A
- FCC Class A

Ordering Guide

Ordering No.	LCD size	Resolution	Waterproof	Touch	CPU	Memory	FE LAN	SRAM	RS-422/485	Wireless
Lotus 1221-135W	12.1" TFT	800x600	IP65	5 wire Res.	LX-800	512MB	1	256KB	2	802.11 b/g
Lotus 1221-132	12.1" TFT	800x600	IP65	5 wire Res.	LX-800	256MB	1	256KB	2	Without

Specification change without notice