

Lotus 8121

8.4" TFT-LCD Touch Panel system
 IP65, NEMA 4 Rugged Protection, Aluminum Front Bezel
 With Fanless AMD LX-800 processor



Features Highlight

8.4" TFT-LCD	800*600	Meet IP 65 NEMA 4	Touch screen	AMD LX-800 Processor	DDR 400
PCI-104 expansion *	Mini-PCI	FE LAN	USB	WDT	DC 9 ~ 30V
SATA	2.5" IDE	CF	RS-232/485	Audio	Wireless LAN *
Fanless	-10 °C ~ 45 °C	Linux	Windows	Win CE	ROHS

* : Optional function

Specification

LCD Technology / size

- 8.4" 18 bit LVDS TFT-LCD

Resolution

- 800 x 600, 256K colors

Brightness

- 450 cd/m²

Pixel Pitch

- 0.213 x 0.213 mm

Contrast Ratio

- 600:1

View Angle (H-V)

- 160° / 140°

Backlight MTBF

- Long life CCFT 50,000 hrs

Waterproof and Dustproof

- IP65, NEMA 4 Compliant front panel

Touch Screen controller

- Support 5 Resistors type touch screen

Platform

- Aluminum front bezel , SECC real cover w/ VESA mount

Dimension

- Aluminum front bezel: 260 (W) x 210 (H) x 54.0(D) mm
- SECC real cover: 232 (W) x 170 (H) x 49(D) 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)

Wireless LAN support

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

Ordering Guide

Ordering No.	LCD size	Resolution	Waterproof	Touch	CPU	Memory	FE LAN	Storage I/F	RS-422/485	Wireless
Lotus 08121-135W	8.4" TFT	800x600	IP65	5 wire Res.	LX-800	512MB	2	IDE/SATA/CF	1	802.11 b/g
Lotus 08121-132	8.4" TFT	800x600	IP65	5 wire Res.	LX-800	256MB	2	IDE/SATA/CF	1	Without

Specification change without notice



www.arinfotek.com

Disk Drive Storage

- 1 SATA / DMA 66/100 2.5" HDD Drive Bay & 1 CF slo
- 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 with RJ-45 connector
- Support MIDX media auto reverse function
- Support Boot from LAN function

Expansion slot supports

- 1 Mini-PCI expansion slot
- 1 PCI-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 (internal pin-header)

Watchdog timer

- Software programmable WDT from 1 to 255 seconds

Real Time Clock RAM

- 256 bytes CMOS RAM built-in ICH4 chipset

External I/O supports

- 2 USB 2.0, 2 RJ-45 LAN, 1 DB-9 RS-232/485, 1 DB-9 VG/
- 3 LED for power / status / HDD informatior
- 1 Reset button, 1 DC power

Internal reserved I/O supports

- 1 RS-232 (2.54 mm), Multi-function micro switch connector
- 1 Audio, 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 ~ 45°C
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% ~ 90% (Non-condensing)

Certification

- CE Class A
- FCC Class A