

LongWin Micro-Controller Series

8051 Micro-Controller with USB

High Performance, Maximum Reliability, Competitive Cost

Nova System Board



Nova System Board is based on an 80c52 Micro-Controller core featured with 32Mhz speed and 32KByte on-board flash memory.

The Nova system board provides 32 Digital GPIO, USB, Real-Time Clock, Infra-Red Transmitter/Receiver, and standard Serial port.

Features

- 32Mhz 8051 MPU
- 32KB On-Board Flash Memory
- 4KB On-Board EEPROM
- 1024-Byte On-Board RAM
- USB 1.1 and 2.0 with 32-Byte FIFO
- 128x64 Dot-Matrix LCD Display
- Infra-Red Transmitter and Receiver
- Real-Time Clock (RTC) / Watchdog Timer

Specification

Bus Type	5 10-Pin 0.1 Inch Pitch DIP Port	USB	USB 1.1 and 2.0 Compliant 32-Byte FIFO
MPU	Up To 32Mhz 80C52 MPU 6 Clocks Per Instruction		6 Programmable Endpoints 48 MHz PLL
Memory	32KB Flash Memory 4KB EEPROM 1024-Byte RAM	RS232	RS232 Serial Port
Display	128x64 Dot-Matrix LCD Display	I2C	I2C Up To 400Kb/s 2-Wire Interface
Keypad	16 Key Keypad (4x4)	GPIO	34 GPIO 4 Direct-Drive LED Output
Timer	3 16-bit Counter / Timer 5 16-Bit Programmable Counter Array Programmable Hardware Watchdog Timer Real-Time Clock with 2 Alarms	Power	+5V from USB Port Or 3.5V - 28V Wide Range External Power
		Environmental	-40°C - +85°C Working Temperature
		Mechanical	2.8 Inch x 5.5 Inch

For More Information, please call (800) 970-6805 or eMail to : sales@LWComputer.com

Ordering

LW-MCAT-8951-S	Nova MPU System Board
LW-MCAT-8951-N	Nova MPU System Board without Keyboard and LCD Display