LC6000 Series
Solid State Industrial Computer

Ultra Compact and Reliable

Industrial computers need to be both compact and reliable, as they often are used for mission critical applications and not placed in an office environment. The patent-pending LC6000 provides unparalleled reliability by being an all solid state unit - all components reside on one PCB board and no moving mechanical parts are used. The hard drive, for example, is a solid state flash drive. In addition, the computer is enclosed in a rugged zinc die cast case for extra protection. The LC6000 has a very compact form factor – only 1.0"H x 6.3"W x 5.1"D. Two mounting brackets enable these modules to be mounted almost anywhere – on a wall, ceiling, table top or under a counter.

- Ultra compact - only 1.0"h x 6.3"w x 5.1"d

- No moving mechanical parts for enhanced reliability

- Enclosed in rugged zinc die cast case

- Intel-compatible 133MHz 486DX2 CPU

- 5 I/O ports: 1 SVGA port, 1 Ethernet port, 1 USB port, 1 serial port and 1 PS/2 port

- 3 internal ports: COM2, LPT1, and IDE

- 32MB to 64MB DRAM

- SVGA, up to 1280 x 1024 resolution and a maximum of 16 million colors

- Solid state flash hard drive from 16MB to more than 4GB

- Custom configurations available

Intel-Compatible and Versatile

The LC6000 is Intel-compatible, so it can run many Windows and Linux-based applications. This enables the unit to be used in a wide variety of applications – in a restaurant's kitchen system, in an auto ID workstation, etc. The LC6000 provides a compliment of up-to-date I/O ports – Ethernet, USB, serial, PS/2 keyboard/mouse and SVGA. The Ethernet port allows full access to internet, file transfer, and system networking. The USB port enables the LC6000 to drive a multitude of peripheral devices and install a wide range of application software.
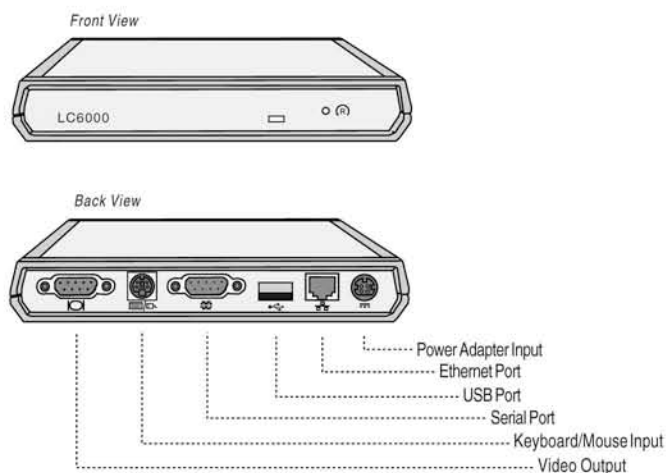
Low Cost

As PC manufacturers build computers designed for gaming and multimedia applications, the multi-gigahertz processors and large hard drives add costs that are not needed for many industrial applications. The LC6000, designed specifically as an industrial computer, provides the computer power needed for many applications at a fraction of the cost of standard PCs.

LOGIC® CONTROLS

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Connector Assignment

Industrial Computer - LC6000

Front View

LC6000

Back View

- Power Adapter Input
- Ethernet Port
- USB Port
- Serial Port
- Keyboard/Mouse Input
- Video Output

Industrial Computer - LC6000

SYSTEM

Processor	Intel Compatible 133MHz 486DX2
Memory	32MB to 128MB SDRAM
Hard Drive	Internal Compact Flash, 16MB to more than 4GB
Video	Resolution: 1280 x 1024 pixels max. Color: up to 16 million colors (True Color)
Network Interface	10/100 Base-T Ethernet
USB Port	USB 1-1
Serial Port	COM1 COM2 (internal connection)
Keyboard/Mouse	PS/2 Compatible
Parallel Port	LPT1 (internal connection)
IDE Port	Primary IDE (internal connection)

ELECTRICAL (External Switching Power Adapter - included)

Input	100 to 240VAC, 25W
Frequency	47 to 63 Hz
Output	5.0VDC at 1A 2.5VDC at 2A
Output Ripple	< 150 mVPP

MECHANICAL

Weight	2.3 lbs
Dimension (in inches)	6.3W x 1.0H x 5.1D
Housing	zinc die cast

ENVIRONMENT

Operating Temperature	5°C to 40°C
Relative Humidity	8 to 80%, non-condensing
Storage Temperature	0°C to 60°C
Relative Humidity	5 to 80%, non-condensing

CONNECTORS

SVGA	Standard, DB15 female connector
Keyboard & Mouse	PS/2 mini-DIN6 female connector
RS232	Standard DB9 male connector
USB	Standard USB type-B connector
Ethernet	RJ45 8 pin female connector
DC Power	Shielded snap lock mini-DIN with EMI/RFI suppression, female connector