LC7000 Series

Compact Industrial Computer

Fanless and Reliable

Industrial computers need to be reliable, as they often are used for mission critical applications and not placed in an office environment. The Logic Controls LC7000 provides unparalleled reliability by being a fanless unit. It is an ideal computer for use in harsh environments with high levels of dust or oil or when fan noise is not desirable. For enhanced reliability, LC7000 uses no internal cables and mechanical moving parts such as hard disk drives. For extra harsh enviromental protection, special PCB protective coating is used to resist high humidity and moisture condensation.

- Compact size: 6.5" x 5.0" x 1.2"

- Fanless operation

- No internal moving parts

- Enclosed in rugged die cast case, no ventilating holes

- CPU Speed: up to 600 MHz

- Mass storage: Compact flash (CF)

- 128MB to 1GB SODIMM RAM

- I/O ports: 4 USB 2.0, DVI/VGA, Ethernet, serial, keyboard/bump bar, audio out, power input

Ultra Compact & Rugged

LC7000 has a compact form factor – only 1.17"H x 6.50"W x 4.96"D. Two mounting brackets enable these modules to be mounted almost anywhere – on a wall, ceiling, table top or under a counter. For minimum foot-print, the LC7000 module can be mounted vertically. The computer is housed in a rugged die cast case for extra protection.

Full Compliment of I/O Ports

The small LC7000 computer provides a very impressive compliment of up-to-date and legacy I/O ports. 4 USB 2.0, DVI/VGA, Ethernet, serial, keyboard/bump bar, and speaker ports are all available externally. LC7000 uses high performance processors, so it can run Windows and Linux-based graphics and video applications. Whether your application runs on Windows Vista, Windows XP, Windows XP embedded, Windows 2000, Windows CE or Linux, your operating system needs are supported by LC7000.
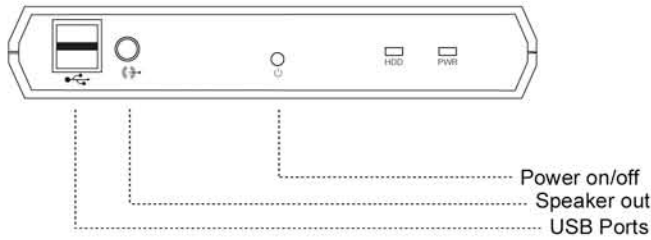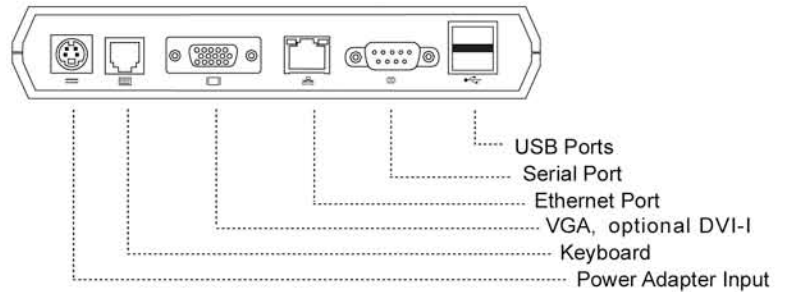
LOGIC CONTROLS ®

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Connector Assignment

Front View

Back View

Power on/off
Speaker out
USB Ports

USB Ports
Serial Port
Ethernet Port
VGA, optional DVI-I
Keyboard
Power Adapter Input

Industrial Computer - LC7000

SYSTEM

Processor	500MHz with L2 cache, optional 600MHz
Memory	128MB to 1.0GB DDR 333/400 SODIMM
Hard Drive	Internal Compact Flash, 64MB to 8GB or above
Video	Standard VGA, 1920 x 1440 pixels max at 85Hz, 32-bit color
	Optional DVI-I, 1600x1200 pixels max at 60 Hz, 32-bit color
	256MB max shared video memory
Network Interface	10/100 Base-T Ethernet, Network boot capable
Keyboard	PS/2 interface
USB Port	4 USB 2.0 ports
Serial Port	COM1, standard DB9 connector, optional +5V power at pin 9
Audio	Speaker-out, AC97 Audio CODEC

ELECTRICAL (External Switching Power Adapter - included)

Input	100 to 240VAC
Input frequency	47 to 63 Hz
Input current	< 1.0A @ 120VAC
Output	+5VDC / 2.0A
Ripple voltage	< 100mVp-p

MECHANICAL

Weight	1.5lbs
Dimension (inches)	6.5W x 4.9D x 1.2H
Housing	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

Video	Standard VGA DB15, optional DVI-I
Keyboard	RJ11 6-pin socket
RS232	Standard DB9 male connector
USB	Standard USB type-A connector
Ethernet	RJ45 8-pin socket
Audio	Speaker out, stereo headphone jack
DC power	Shielded snap lock mini-DIN with EMI/RFI suppression, 4-pin female connector

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