

LC8600 Series

High Performance Retail Hardened Computers



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- **Fanless and ventless operation**
- **Intel Atom CPU 1.6GHz, 512KB L2 Cache**
- **Ultra compact - only 2"H x 8"W x 6"D**
- **No internal connecting cables and no internal moving parts for ultimate reliability with CF mass storage**
- **Enclosed in rugged die cast case**
- **128MB to 2GB DDR2 SODIMM RAM**
- **Large number of available I/O ports: 7 USB 2.0, 4 serial, 1 VGA, 1 DVI-I, 1 Ethernet, PS/2 keyboard and mouse, 1 LPT, speaker out, microphone in, power input**
- **Mass storage: Compact flash and/or PATA/SATA hard disk drive**
- **Multimedia: 2048 x 1536 pixels (QXGA) max, 224MB max shared video memory**
- **System boot from CF, HDD, USB, or network**

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 LC8600 provides unparalleled reliability by being a fanless and ventless 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, all of the computer components and connectors reside on one PC board. The LC8600's single board computer limits the number of internal cables, a common source of loose connections and failures. A true no-moving-part operation is provided when compact flash is used for mass storage or boot-from-network configurations are employed.

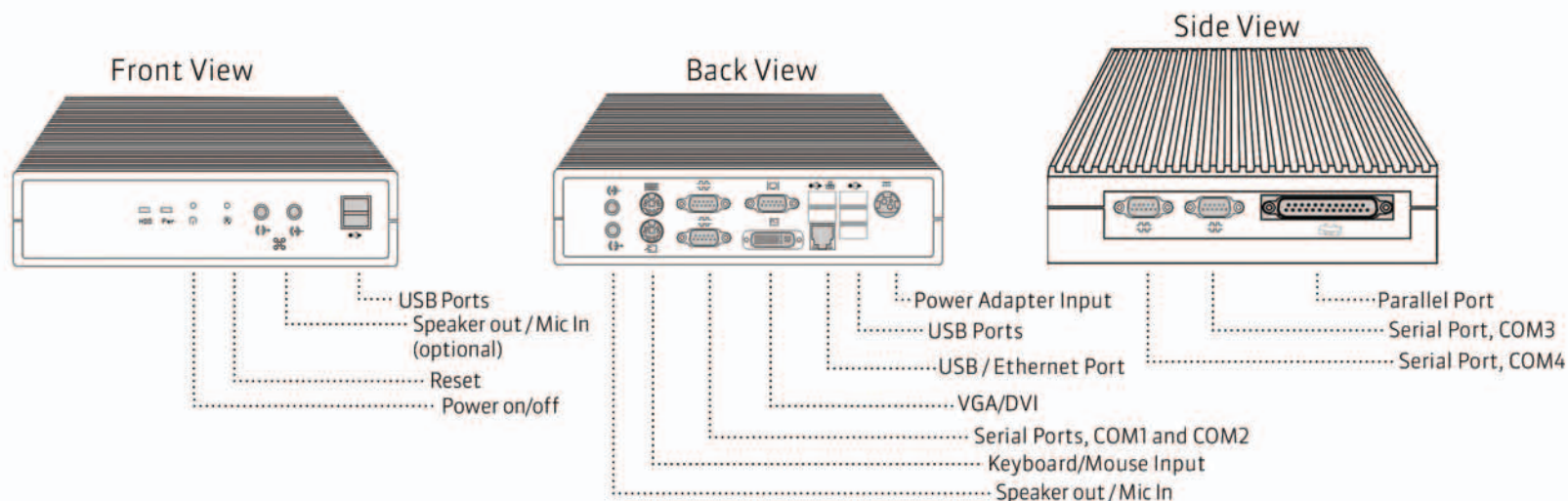
Ultra Compact & Rugged

The LC8600 has a very compact form factor – only 2"H x 8"W x 6"D. Two mounting tabs enable these modules to be mounted almost anywhere – on a wall, ceiling, table top or under a counter. For minimum foot-print, the LC8600 can be mounted vertically. The computer is housed in a rugged die cast case for extra protection.

Full Compliment of I/O Ports

The LC8600 provides a very impressive compliment of modern and legacy I/O ports. Up to 4 serial, 7 USB 2.0, 1 VGA, 1 DVI-I, 1 parallel, 1 Ethernet, PS/2 keyboard and mouse, microphone and speaker ports are all available. Hence industrial applications that require serial or parallel interfaces are fully addressed. The LC8600 also uses Intel high performance processors, so it can run all 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 the LC8600. This enables the unit to be used in a wide variety of applications – in a restaurant's kitchen system, in a POS workstation, in an auto ID workstation, etc.

LC8600 SERIES RETAIL HARDENED COMPUTER SPECIFICATIONS



SYSTEM

| | |
|-------------------------|--|
| Processor | Intel Atom Processor N270 1.6GHz, 533MHz FSB, 512KB 8-way L2 Cache |
| Memory | 128MB to 2.0GB DDR2 400/533 SODIMM |
| Hard Drive | Internal Compact Flash, 64 MB to greater than 32GB Optional internal IDE 2.5" PATA or SATA hard drive (40GB up) |
| Primary Video (DB15) | 2048 x 1536 pixels (QXGA) max, 224MB max shared video memory |
| Secondary Video (DVI-I) | Optional, 1600 x 1200 pixels (UXGA) max |
| Network Interface | 10/100 Base-T Ethernet, Network boot capable |
| Keyboard/Mouse | PS/2 |
| USB Port | 7 USB 2.0 ports |
| Serial Port | COM1 and COM2, optional COM3 and COM4 (side connector) optional +5V / +12V power at pin 5 |
| Parallel Port | LPT1 |
| Audio | Speaker-out and Mic-in, AC97 Audio CODEC (optional front connectors) |
| Expansion slot | Mini-PCIE socket |

ELECTRICAL

(External Switching Power Adapter - included)

| | |
|-----------------|-----------------|
| Input | 100 to 240VAC |
| Input frequency | 47 to 63 Hz |
| Input current | < 1.5A @ 120VAC |
| Output | +12VDC / 5.0A |
| Ripple voltage | < 120mVp-p |



MECHANICAL

| | |
|--------------------|--------------------|
| Weight | 3.0lbs |
| Dimension (inches) | 8.0W x 6.3D x 2.0H |
| 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 | DB15 and DVI-I connectors |
| Keyboard & Mouse | PS/2 mini-DIN6 female connectors |
| RS232 | Standard DB9 male connectors |
| USB | Standard USB type-A connectors |
| Ethernet | RJ45 8 pin female connector |
| Audio | Speaker-out/Mic-in phone jacks |
| Parallel | Standard DB25 female connector |
| DC power | Shielded snap lock mini-DIN with EMI/RFI suppression, 3-pin female connector |