IED · LANcom
SCHOOL COMMUNICATION SYSTEMS

LC3100CC
Control Computer

LC3100CC

Description

The LANcom LC3100CC computer system is a server grade computer system loaded with all the software necessary for an IED LANcom SCS school communications system. The unit provides control signals required to play and route audio and visual messages, send page announcements, make intercom calls. It provides a browser-based interface for room program selections and audio level controls.

The LC3100CC comes with all the connectivity required for operation, including USB and Ethernet ports.

The computer may be configured in a tower-style case that is typically mounted separately or on a shelf in a 19" equipment rack. It is also available in a 19" 1RU rackmount configuration. Each computer requires 25" of equipment rack depth for cable clearance.

The LC3100CC is a server grade tower computer chassis that contains the computer electronics and software. The standard configuration either meets or exceeds the following:

- Intel Quad Core Xeon microprocessor
- Windows Server 2008 Operating System
- 4 GB RAM
- 16x CD-RW/DVD
- 250 GB Hard drive
- On-board Video Card
- Two Gigabit NIC Port

Related Products

LC3000SW	SCS software
LC372SR	Classroom sound reinforcement module
L331IC	Classroom communications module
LC312DC	Digital display client computer
LC3124CM	Connection module
LC110MD	LED Message Display
LC108M	Microphone station
LC200 Series	Power amplifier systems

Features

- Control computer for IED LANcom SCS system in an educational facility
- Distributes control signals and audio over Ethernet
- Easy to use software interface
- Integral bell scheduler served to clients using browser-based interface
- Integral message controller can deliver audio and visual messages to any zone map
- Unlimited number of zones and zone maps for ultimate flexibility in routing messages and bells
- Audio message file storage (*.WAV) limited only by hard disc space available
- Remote diagnostics via broadband internet connection

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Specifications

The standard configuration will meet or exceed the following specifications.

Computer

Processor	Intel Quad Core Xenon
Operating System	Windows Server 2008®
Memory	4GB
Optical Drive	16x CD-RW/DVD
Hard Drive Capacity	250GB
Network Interface	On-board Gigabit Ethernet

Connections

Control Network	RJ45
Video	HD-15 D-sub
USB Ports (front)	2
USB Ports (back - tower)	5
USB Ports (back - rackmount)	2
Serial Port (9-pin D-sub)	1

Power Requirements

Voltage	100 – 120VAC / 200 – 240VAC, 50/60 Hz
Current	9A (120VAC), 4.5A (240VAC)
Power (tower)	305 Watts
Power (rackmount)	250 Watts

Mechanical

Tower	
Dimensions	7.36” W x 16.3” H x 18.11” D (18.7cm W x 41.4cm H x 46cm D)
Weight	28.7 lbs (13.02kg)
Rackmount	
Dimensions	19” W x 1.67” H x 15.5” D (48.3cm W x 4.26cm H x 39.4cm D)
Weight	17.8 lbs (8.1kg)

Environmental

Operating Temperature	50˚F – 95˚F (10˚C – 35˚C)
Storage Temperature	-40˚F – 149˚F (-40˚C – 65˚C)
Operating Relative Humidity (non-condensing)	20% – 80%
Storage Relative Humidity (non-condensing)	5% – 95%

LC3100CC Tower Front

LC3100CC Tower Back

LC3100CC Rackmount Front

LC3100CC Rackmount Back

Architect & Engineering Specifications

The user functions of the system will be software configurable from the System Server and any computer connected to the schools LAN, without the need to install additional software. The Control Computer shall include network and interface cards as necessary to interface to and control the system(s).

Technical specification for Control Computer/System Server. The server supplied must either meet or exceed the following:

- Intel Xeon microprocessor
- Windows Server 2008 Operating System
- 24x CD-RW/DVD
- 4 GB RAM
- 250 GB Hard Drive
- 32 MB Video Card
- Dual Onboard Gigabit NIC Ports

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