Datasheet

LX Series

1004T Console Servers



A Complete Out-of-Band Networking Solution

The 1004T Series of console servers (also referred to as terminal servers) gives IT administrators the ability to perform secure remote management of operational and physical infrastructures. LX Series Console Servers provide management access to a wide range of IT infrastructure devices such as UNIX, LINUX and Windows Servers as well as switches, routers, firewalls, and telephony equipment.

With models ranging from 1 to 4 ports, the LX-1000T Series can meet a wide range of needs. The 1000T Series uses the proven LX Series software which allows a common set of features to be used consistently across multiple LX Series models. The 1004T Series offers power options for installation utilizing North American and International power as well as DC power for telcos and carriers. An optional internal v.92 or GSM\GPRS modem provides dial up connectivity access.

The 1004T Series can be used with MRV's 5250/ 4800 Power Control Series to provide administrators with the ability to manage, control, and monitor individual power outlets for critical equipment. Using secure access through the 1004T Series, network managers can remotely power cycle a locked up server, bring a redundant system online or turn on an auxiliary air conditioner.

Physical infrastructure control and monitoring can be enabled on each 1004T Series serial port, supporting 2 sensor inputs or 2 control outputs. Sophisticated Trigger/Action control can be used for customizing to meet specific organizational notification and control needs.

Industry Leading Security

MRV offers the industry's first console servers to meet the demanding US Government FIPS 140-2 cryptographic security standard. With US government approved agency testing, the LX Series software delivers the most secure and richest set of features, including, point and click access to any port, per port password protection, SSH v2.0, SNMP V3, IP V6, RADIUS, SecurID, LDAP, TACACS+, PPP PAP/ CHAP, PPP dial-back, user access lists, and on-board database.

Applications

- Enterprise data centers
- Remote/branch offices
- Telco central office and remote facilities
- Utilities
- Test and development labs

Benefits

- Cutting Costs - Nearly eliminate the need for personnel to be physically present at remote equipment site
- Increasing Security, Lowering Risk - Protect service ports from unauthorized, undetected access - Capture logs as a record of system activity to meet regulations such as Sarbanes-Oxley, HIPAA, etc.
- Improving Service Levels - Easy, efficient access uses scarce technical resources more effectively - Reduces need for redundancy by minimizing downtime
- Simplifying Operations - Verify access using existing security infrastructure
- Simplifying Event Notification and Response - Automatic response to an emergency can increase safety and avoid disasters

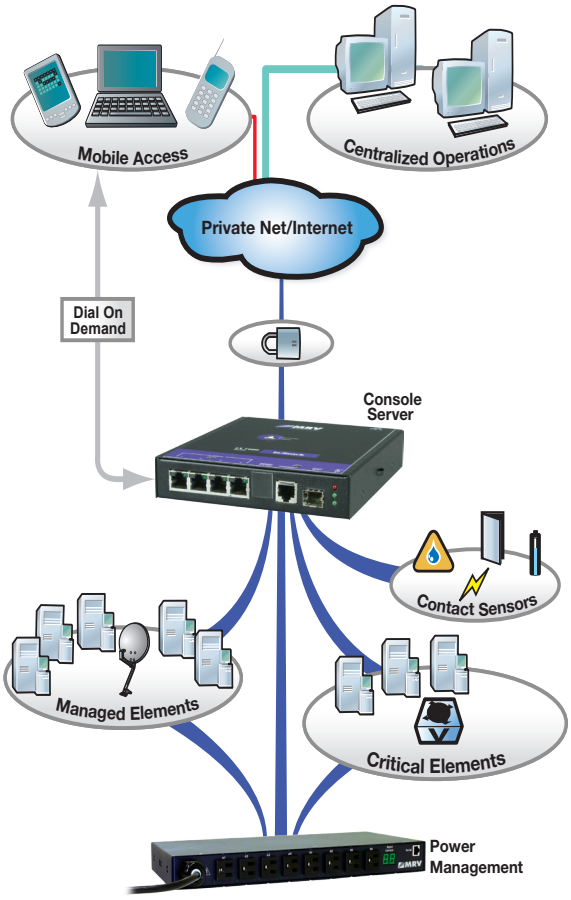
Easy, Powerful Management Tools

The 1004T Series has a management option to fit every style. The easy to use browser based Graphical User Interface allows full configuration and management, while the industry standard style extensive Command Line Interface is a powerful tool for automated scripts. The Cluster Control and Configuration features simplify configuration and control of large networks without a single point of failure, or need for a separate management platform. MRV's MegaVision product can be used as a standalone network

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Technical Specifications

Number of Ports	4
Internal Modem Option	V.92 or GSM\GPRS
Power	
120-240V AC, 50/60Hz	1.0 Amps
Physical	
Height	2.5 cm, 1.0 in
Width	8.9 cm 3.5 in
Depth	15.9 cm, 6.25 in
Shipping Weight	1.2 kg, 1.25 lbs
General	
Network Interface	Ethernet RJ-45 10/100Base-T port
Serial Interface	RS-232, modular RJ-45 connectors
Operating System	Linux
Sensor Inputs	2 sensor inputs per port
Control Outputs	2 control outputs per port
Port Speeds	300bps to 230kbps
Base Memory	16 MB Flash, 128 MB SDRAM
Environment Operating Temperature	32 to 104˚ F (0 to 40˚C) Long Term; -5 to 50˚C Short Term
Storage Temperature	-40 to 185˚ F (-40 to 85˚C)
Humidity	5% to 85% Long Term; 5% to 90% Short Term
Certifications	
Emissions/Immunity	FCC Part 15, Class A
Safety	Complies with UL 60950-1; CSA C22.2No. 60-950-00; CB Scheme certified
Environmental	RoHS 5/6 Compliant



Ordering Information

AC Models	
LX-1004T-001AC	4 Ports, AC Power
LX-1004T-101AC	4 Ports, V.92 Modem, AC Power
LX-1004S-201US	4 Ports, GSM Modem US, AC Power
LX-1004S-201EU	4 Ports, GSM Modem Euro, AC Power

Ordering Information

DC Models	
LX-1004T-011DC	4 Ports, DC Power
LX-1004T-111DC	4 Ports, DC Power, V.92 Modem

MRV has more than 50 offices throughout the world. Addresses, phone numbers, and fax numbers are listed at www.mrv.com. Please e-mail us at sales@mr v.com or call us for assistance.

MRV (West Coast USA)
20415 Nordhoff St.
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV (East Coast USA)
295 Foster St.
Littleton, MA 01460
800-338-5316
978-952-4700

MRV (International)
Business Park Moerfelden
Waldeckerstrasse 13
64546 Moerfelden-Walldorf
Germany
Tel. (49) 6105/2070
Fax. (49) 6105/207-100

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Revision B

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