Datasheet

LX Series
1000S Console Servers

A Complete Out-of-Band Networking Solution

The 1000S 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.

With models ranging from 1 to 4 ports, the LX-1000S Series can meet a wide range of needs. The 1000S Series offers power options for installations utilizing North American or International power. Additional flexibility is available with the option to choose models with an internal v.90 modem providing remote dial up capabilities. The 1000S Series uses the proven LX Series software which allows a common set of features to be utilized consistently across multiple LX Series form factors.

The 1000S 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 1004S 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 1000S Series serial port, supporting 2 sensor inputs or 2 control outputs. Sophisticated Trigger/Action control can be used for customizing that meets 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. The Cluster Control and Configuration features simplify configuration and control of large networks without a single point of failure.

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 1000S 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. MRV's MegaVision product can be used as a standalone network management and fault management system, or be combined with other management platforms.

Datasheet

Technical Specifications	LX-1001S	LX-1002S	LX-1004SFP	LX-1004S PoE
Number of Ports	1	2	4	4
Internal Modem Option	V.90	-	V.90	V.90
Power				
120-240V AC, 50/60Hz	1.0 Amps	1.0 Amps	1.2 Amps	-
802.3AF PoE	-	-	-	0.15 Amps
Physical				
Height	2.5 cm, 1.0 in	2.5 cm, 1.0 in	2.8 cm, 1.1in	2.8 cm, 1.1in
Width	8.9 cm 3.5 in	8.9 cm 3.5 in	15.0 cm, 5.9 in	15.0 cm, 5.9 in
Depth	15.9 cm, 6.25 in	15.9 cm, 6.25 in	15.9 cm, 6.25 in	15.9 cm, 6.25 in
Shipping Weight	1.2 kg, 1.25 lbs	1.2 kg, 1.25 lbs	1.5 kg, 3.2 lbs	1.5 kg, 3.2 lbs

General

Network Interface	2 Ethernet RJ-45 10/100Base-T port, SFP Option
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	8 MB Flash, 64 MB SDRAM
Environment Operating Temperature	32 to 104° F (0 to 40℃) Long Term; -5 to 50℃ Short Term
Storage Temperature	-40 to 185° F (-40 to 85℃)
Humidity	5% to 85% Long Term; 5% to 90% Short Term

Ordering Information

LX-1001S-101AC	1 Port and V.90 Modem, AC Power
LX-1002S-001AC	2 Ports, AC Power
LX-1004S-001POE	4 Ports, 802.3AF Power
LX-1004S-101POE	4 Ports, Modem, 802.3AF Power
LX-1004S-005AC	4 Ports, SFP Slot, AC Power
LX-1004S-105AC	4 Ports, Modem, SFP Slot, AC Power

Certifications

Emissions/Immunity	FCC Part 15, Class A
Safety	Complies with UL 60950-1; CSA C22.2No. 60-950-00; CB Scheme certified
Telecommunications	NEBS Level 3 (NEBS models only) Modem Models: FCC Part 68, IC CS 03 and CTR21 compliant.
Environmental	RoHS 5/6 compliant

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.