

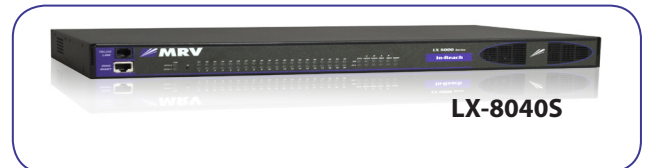
LX Series 8000S Console Server

The LX-8000S Series of Console Servers provides a full range of high end features, including 20 and 40 ports, dual DC power supplies, and an optional internal modem. All models are powered by 32-bit RISC embedded processors with embedded co-processors that enable the execution of an extensive software feature set with processing power to spare. The LX-8000S series is driven by the LX Series software; a Linux based operating system tuned for optimal performance, security and reliability.

The LX-8000S models are designed for telco applications that demand high quality and reliability standards, dual power and NEBS Level-3 certification. The rack requirements for the telco environment were a design factor for the LX-8000S and resulted in a unit that has all its primary connectors and power on the rear of the unit and the LEDs, modem (telco) and diag ports on the front. There are two status LEDs for the A and B feeds of each power unit in a dual powered system, as well as LEDs indicating System, Voltage Regulator and Temperature status.

The LX-8000S Series offers secure console or serial port management, sensor management, power control, and the industry's most comprehensive security features, including per port password protection, RADIUS, Secure Shell v2.0, SecurID, LDAP, TACACS+, PPP PAP/ CHAP, PPP dial-back, on-board database and others. The LX software offers its Cluster Control and Configuration features for LX deployments in large networks. It supports the configuration and control of clusters of up to 1000 LX units without a single point of failure, and is an invaluable tool for managing software updates in a large network.

MRV has designed the LX-8000S to be software upgradeable, offering investment protection with the ability to meet future console management needs. The LX-8000S's software configurable ports provide the flexibility required to control a variety of core network, discrete alarm and environmental sensor devices, all with a single box. The LX-8000S meets today's console, sensor and power management needs with the capacity and scalability to address even the most demanding needs of the future.



Applications

- 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



Datasheet

Technical Specifications

Model Name	LX-8020S	LX-8040S
No. of Console Ports (Max)	20	40
Internal Modem Option	Yes	Yes
Discrete Alarms	40	80
Sensor Ports	20	40
Rack Mount Form Factor	19 or 23 in 1U rack unit	19 or 23 in 1U rack unit
Port Speeds	134 bps to 230.4 Kbps	134 bps to 230.4 Kbps
Power Requirements		
18 - 36V, dual feed	1.0 Amp	1.0 Amp
36 - 72 V, dual feed	0.75 Amp	
Height	4.34 cm, 1.71 in	4.1 cm, 1.62 in
Width	44.4 cm, 17.48 in	44.4 cm, 17.48 in
Depth	25.4 cm, 10 in	25.4 cm, 10 in
Weight	7.9 lbs (3.58 kg)	8.4 lbs (3.81 kg)
General		
Network Interface	Two Ethernet/IEEE 802.3 RJ-45 (10/100Base-T) ports	
Serial Interface	RS-232, Modular RJ-45 connectors	
Base Memory	16 MB Flash, 128 MB DRAM	
Environment Operating Temperature	32 to 104° F (0 to 40°C) Long Term; -5 to 50°C Short Term (DC units only)	
Storage Temperature	-40 to 185° (-40 to 85°C)	
Humidity	5% to 85% Long Term; 5% to 90% Short Term (DC units only)	
All Models		
Emissions/Immunity	FCC Part 15, Class A	
Safety	Complies with UL 60950, third edition; CSA C22.2 No. 60-950-00; CB Scheme certified	
Telecommunications	NEBS Level 3; Modem Models: All modem models are FCC Part 68, IC CS 03 and CTR21 compliant.	
Environmental	Rohs 5/6 compliant	
Warranty	3 years	

Ordering Information

LX-8020S-012DCR	20 ports, dual (36-72V) power
LX-8020S-112DCR	20 ports, modem, dual (36-72) power
LX-8040S-012DCR	40 ports, dual (36-72V) power
LX-8040S-112DCR	40 ports, modem, dual (36-72V) power

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