

LX Series

4000T Console Servers

A Complete Out-of-Band Networking Solution

The 4000T Series of console servers gives IT administrators the ability to perform secure remote management of operational and physical infrastructures.

With models ranging from 8 to 48 ports, the LX-4000T Series can meet a wide range of needs. The 4000T Series uses the proven LX Series software, for an easy transition from other LX Series models. Dual Ethernet ports support automatic failover to secondary paths. The 4000T Series offers single and dual power options in all port densities. An optional internal modem provides flexibility and dial up connectivity. The optional Digital Volt Meter provides visibility to power levels for DC power sources.

The 4000T 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 4000T 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 4000T Series serial port, supporting two sensor inputs or two control outputs. For sites that need expanded sensor monitoring, the 7204 Sensor Manager augments the 4000T Series to support high density wet and dry contact and analog loop sensors with control outputs. Sophisticated Trigger/Action control can be used for customizing that meets specific organizational notification and control needs.

Industry Leading Security

MRV was the first to market with console servers that met 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, IPsec IKE 1\2, RADIUS, SecurID, LDAP, TACACS+, PPP PAP/ CHAP, PPP dial-back, user access lists, and on-board database. The Cluster Control and Configuration feature simplifies configuration and monitoring 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 eliminates the need for personnel to be physically present at remote equipment site
- Increasing Security- Protect service ports from unauthorized, undetected access
- Lowering Risk- Capture logs as a record of system activity to meet regulations such as Sarbanes-Oxley and HIPAA
- Improving Service Levels- Easy and efficient remote access utilizes scarce technical resources more effectively, and reduces the need for redundant equipment by minimizing downtime
- Simplifying Operations- Verify access using existing security infrastructure
- Simplified Event Notification and Response - Automatic response to an emergency increases safety and helps avoid potentially hazardous conditions

Easy, Powerful Management Tools

The 4000T 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		Ordering Information			
Number of Serial Ports	8, 16, 32 or 48; 1 dedicated Diag\Mgt Port	AC Models	DC Models	Ports	Options
Internal Modem Option	V.92	Single Power Supply			
Height	4.34 cm, 1.71 in	LX-4008T-001AC	LX-4008T-011DC	8	
Width	44.4 cm, 17.48 in	LX-4008T-101AC	LX-4008T-111DC	8	Modem
Depth	25.4 cm, 10 in	LX-4016T-001AC	LX-4016T-011DC	16	
Weight	Unit: 8.4 lbs (3.81 kg) Shipping: 12.5 lbs (5.67 kg)	LX-4016T-101AC	LX-4016T-111DC	16	Modem
Rack Mount Form Factor	19 or 23 inches, 1U rack unit	LX-4032T-001AC	LX-4032T-011DC	32	
Power		LX-4032T-101AC	LX-4032T-111DC	32	Modem
Available Options	Single or dual power supplies	LX-4048T-001AC	LX-4048T-011DC	48	
120-240V AC, 50/60Hz	0.5 Amps per system	LX-4048T-101AC	LX-4048T-111DC	48	Modem
36 - 72 VDC, dual feed	0.75 Amps per system	Dual Power Supply			
Heat Dissipation <small>(varies by port configuration, consult user documentation)</small>	Min 8.6 watts, 30 BTU/HR Max 21 watts, 72 BTU/HR	LX-4008T-002AC	LX-4008T-012DC	8	Dual Power
General		LX-4008T-102AC	LX-4008T-112DC	8	Dual Pwr Modem
Network Interface	2 Ethernet RJ-45 10/100Base-T ports	LX-4016T-002AC	LX-4016T-012DC	16	Dual Power
Serial Interface	RS-232, RJ-45	LX-4016T-102AC	LX-4016T-112DC	16	Dual Pwr Modem
Sensor Inputs	2 sensor inputs per port	LX-4032T-002AC	LX-4032T-012DC	32	Dual Power
Control Outputs	2 control outputs per port	LX-4032T-102AC	LX-4032T-112DC	32	Dual Pwr Modem
Port Speeds	134 bps to 230.4 Kbps	LX-4048T-002AC	LX-4048T-012DC	48	Dual Power
Base Memory	16 MB Flash, 128 MB SDRAM	LX-4048T-102AC	LX-4048T-112DC	48	Dual Pwr Modem
Operating Temperature	32 to 104° F (0 to 40°C) Long Term; -5 to 50°C Short Term (DC units only)	* Append "F" to order code for FIPs 140-2 certified models. Example: LX-4008T-001ACF			
Storage Temperature	-40 to 185° F (-40 to 85°C)	Digital Volt Meter			
Humidity	5% to 85% Long Term; 5% to 90% Short Term (DC units only)		LX-4016T-014DC	16	DVM
Hardware Warranty	3 years		LX-4016T-114DC	16	DVM, Modem
Certifications			LX-4048T-014DC	48	DVM
Emissions/Immunity	FCC Part 15, Class A ETSI EN300 386 V1.4.1		LX-4048T-114DC	48	DVM, Modem
Safety	ANSI/UL 60950-1, 2nd Edition (2007) CSA C22.2 No. 60950-1, 2nd Edition (2007) IEC 60950-1:2005 (2nd Edition) AM 1:2009				
Telecommunications	GR-1089-Core Issue 4, GR-63-Core Issue 3 AT&T TP-76200 Issue 15				
R&TTE	TBR21 (Jan 1998)				
Declarations	CE, ATICK, CTICK, BSMI, CCC, GOST, ETL-Eu, IRAM, MIC, NOM, VCCI				
Environmental	RoHS 5/6 Compliant				
Security	FIPS 140-2*				
Government	JITC for Department of Defense				

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