

# LX Series

## 7304/7204 Sensor Manager

The 7304/7204 Sensor Managers from MRV Communications is a four-slot modular, expandable, high-density sensor concentrator engineered to address the needs of telecommunications network service providers, utilities and corporate enterprise facilities. At unstaffed facilities that require lights-out management, the Sensor Managers can be used to alert technical staff to a door opening, power outages, or fuel levels in a back-up power generator or many other uses.

The 7304/7204 Sensor Managers supports up to 4 modules that provide a variety of sensor input and control options. Available modules provide 32 port sensor inputs, 8 port control outputs, or 8 port analog loops. The 7304/7204 is ideally suited for facilities that employ environmental, power, pressure and fluid or security alarms.

The 7304 Sensor Manager is a standalone unit with an integrated LX Series Console Server, providing access through an Ethernet/IP network, a serial connection or a V92 modem. The 7204 Sensor Manager is managed through a separate LX Series Console Server. This distributed architecture allows the LX Series Console Server and 7204 Sensor Manager to manage up to 512 sensor points using a single IP address.

The LX Series Console Servers provide remote service port access and remote power management of other network elements. Security features include SSHv2, SSL, PPP, RADIUS, TACACS+, SecurID. The sophisticated Trigger/Action feature allows automation, with the ability to define an event trigger and follow on actions, including flexible, automated notification via e-mail, SMS, TAP, or SNMP traps.

This MRV solution supports an easy to use browser based GUI, powerful CLI, or SNMP based management. The SNMP based Megavision management platform also provides an fault management system capabilities that provide administrators with the additional tools to quickly identify, manage, prioritize and resolve sensor events and fault conditions.

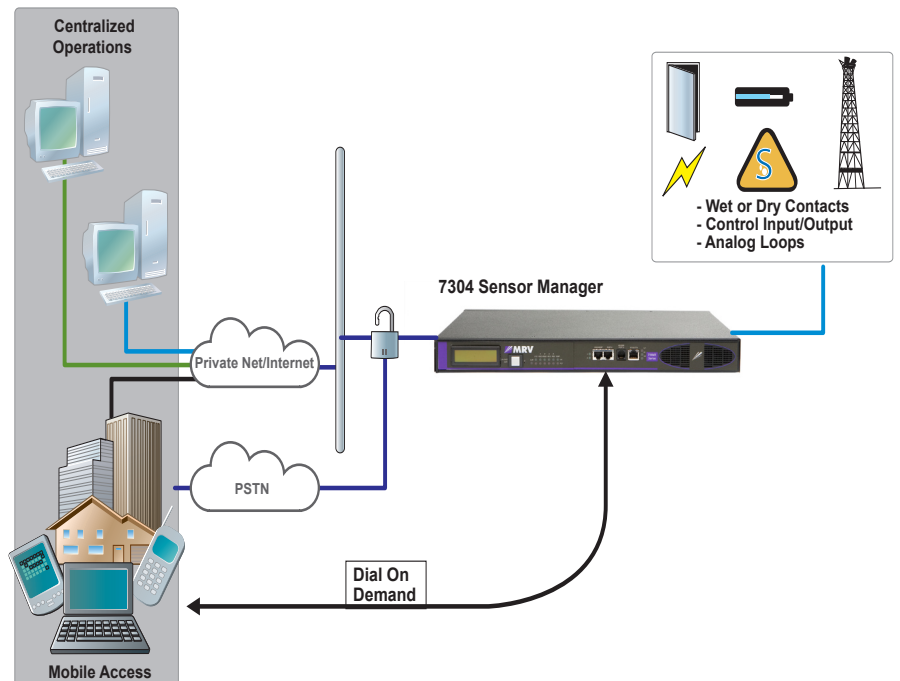


### Applications

- Utilities
- Telco central office and remote facilities
- Wireless cellular sites
- Manufacturing facilities

### Benefits

- High density IP based sensor platform eliminates multi-box solutions
- Wet, dry and 20 ma analog sensor inputs and control output meet wide range of needs
- Rapid return on investment from reduced site visits
- Integrated console server with Ethernet connectivity, serial port, and v.92 modem (7304 Sensor Manager only)
- Single management interface for sensor network, console/terminal servers and power control
- Industry leading security features, including SSHv2, SNMPv3, RADIUS, SecurID, TACACS+ and more



## Datasheet

Specifications		Ordering Information	
System Features	19" or 23" 1U rack unit Up to 4 modules per 7304/7204 Up to 4 7204 Sensor Managers per LX Series LCD alarm status display Audible alarm	LX-7304T-102AC	7304 Sensor Manager, dual AC, modem
Power Requirements	Dual AC power supplies, 120-240VAC, 50/60Hz, .5 amps Dual 36-72VDC power supplies, .75 amps	LX-7304T-112DC	7304 Sensor Manager, dual DC, modem
Physical Dimensions	Height: 4.48 cm/1.75 in Width 44.8 cm/17.48 in Depth: 29.21 cm/11.5 in Physical Weight: 3.64 kg/8.02 lbs	LX-7204T-002AC	7204 Sensor Manager, dual AC
Serial Ports	1 LX Series console port, RS232 (7304 only) 1 Management port, RS232 (7304 only) 1 Uplink port, RS232 (7204 only)	LX-7204T-012DC	7204 Sensor Manager, dual DC
Ethernet	10/100 Ethernet (7304 only)	LX-7200-001	32 Port Alarm Input Module
Modem	V.92 (7304 only)	LX-7200-002	8 Port Control Output Module
Operating Temperature	23 to 131°F (-5 to 55°C) Short Term (DC Units Only)	LX-7200-003	8 Port Analog Loop Module
Storage Temperature	-40 to 185°F (-20 to 85°C)		
Humidity	5% to 85% Long Term; 5% to 90% Short Term(DC Units Only)		
Warranty	Three Year		
Alarm Input Module	32 dry or wet contacts 3.5V to 75VDC 96 pi		
Control Output Module	8 control outputs Screw-type terminal connector Max switching DC 30V @ 1.0A, 30W		
Analog Loop Module	8 analog loop inputs Supports 4-20 ma loop powered sensors Screw-type terminal connector		
Certifications	FCC Part 15, Class A; EN 300-386 V1.3.3 (2005-04); ICES-03 ISSUE 4; AS/NZ CISPR 22:2004 NEBS Level 3 (DC only) RoHS compliant		
Warranty	Three years		



LX-7304T-112DC



LX-7200-001



LX-7200-002



LX-7200-003

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