

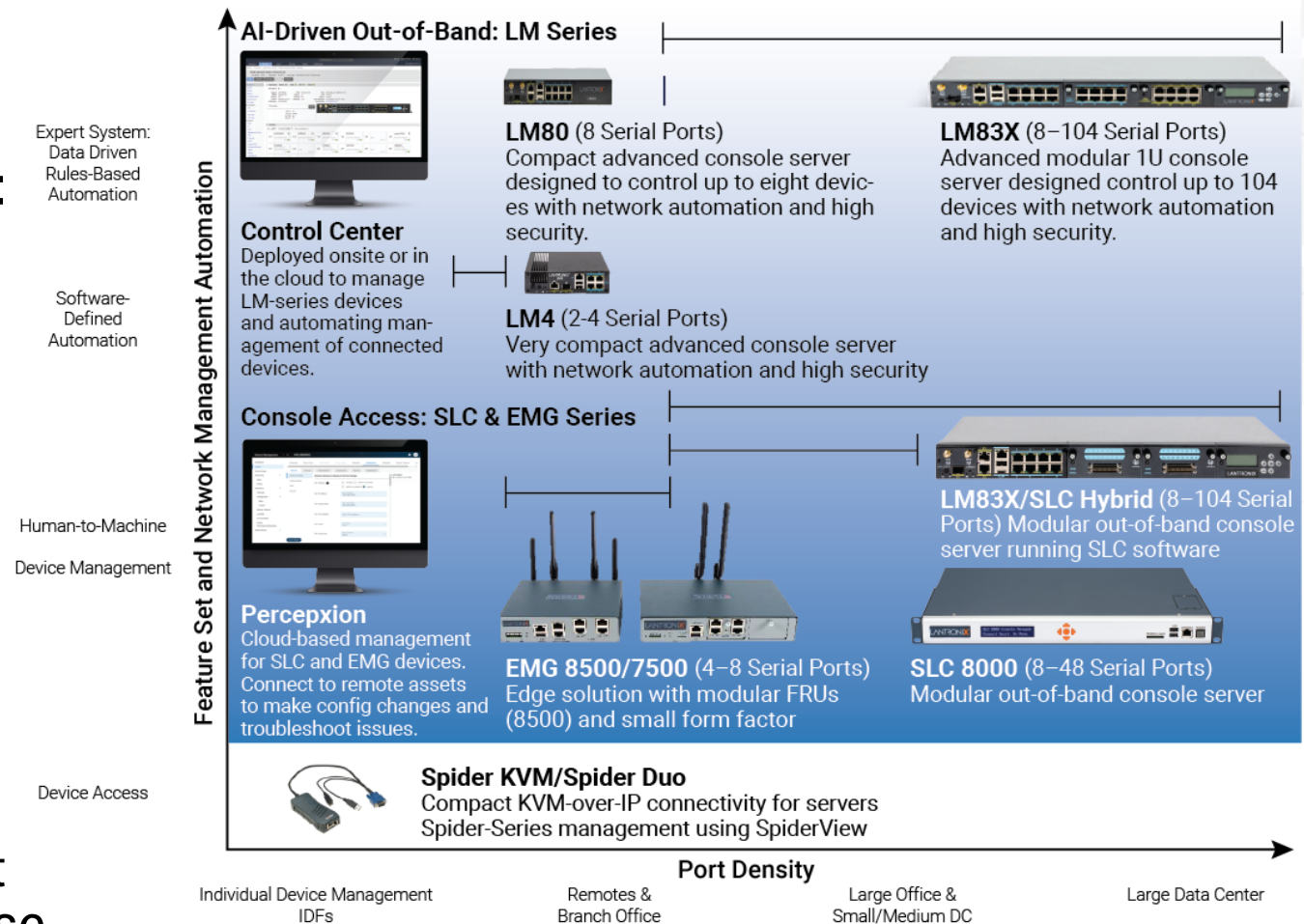
The Lantronix logo features the word "LANTRONIX" in a bold, sans-serif font. The letters "LANTRON" are white, while the "IX" is orange. A registered trademark symbol (®) is positioned to the upper right of the "X".

**LANTRONIX<sup>®</sup>**

**Out-of-Band Management Portfolio**

# Why Lantronix for Out-of-Band?

- Lantronix has a **strong out-of-band portfolio**:
  - **AI-Driven Out-of-Band Management**  
The LM Series
  - **Remote Access Console Servers**  
SLC & EMG Series
  - **Compact KVM-Over-IP**  
Spider Series
- Lantronix provides a **full enterprise solution** including Level Technical Services & Support with deep engineering experience in enterprise network management





# The Benefits of OOB Automation: Dramatically Improve Service Levels

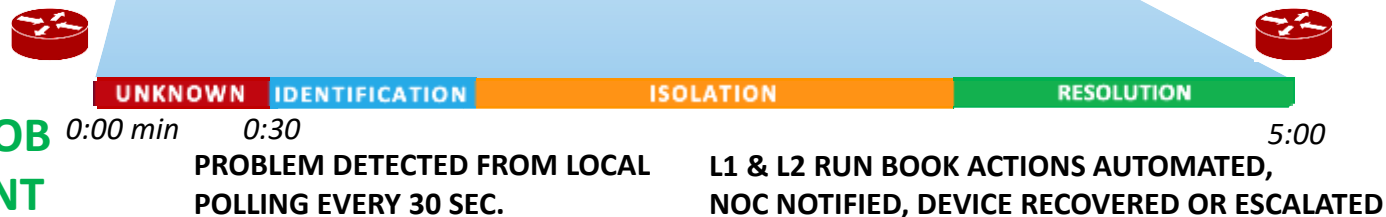
## THE TRADITIONAL ROAD TO RECOVERY



## WITH STANDARD NSM TOOLS



## WITH LANTRONIX AI-DRIVEN OOB MANAGEMENT



### COMPLIANCE

With Standard NSM: days or weeks, compliance is missing or requires manual research

### WITH LANTRONIX

At all times, all actions stored for compliance reporting – even what happened when the network was down.

# The LM-Series: AI-Driven Out-of-Band Management

## OUT-OF-BAND MANAGEMENT HARDWARE / LM SOFTWARE



Local Manager  
**LM83X**

[→ FULL SPECS IN  
PRODUCT BRIEF](#)

- 8-104 Serial Ports
- Modular design for RJ-45 serial, dedicated Ethernet, LCD
- Modular OOB options: cellular, dial-up, fiber, RS232, satellite
- Dual AC or DC Power
- LMOS



Local Manager  
**LM80**

[→ FULL SPECS IN  
PRODUCT BRIEF](#)

- 8 Serial Ports
- Modular OOB options: cellular, dial-up, fiber, RS232, satellite
- LMOS



Local Manager  
**LM4**

[→ FULL SPECS IN  
PRODUCT BRIEF](#)

- 2-4 Serial Ports
- LMOS

## MANAGEMENT SOFTWARE



- Centralized point of control for Advanced OOB devices and **the managed devices connected to them**
- Web-based GUI for real-time data to manage, configure, and control network devices and servers + define custom automated management actions
- Compliance reporting and integration with centralized management tools

[→ FULL SPECS IN  
PRODUCT BRIEF](#)



# Why Do Customers Use AI-Driven OOB?

The LM-Series provides an automated virtual presence onsite with 24/7 access both in-band and out-of-band.

## Ask the Network Admin

- Monitor, diagnose AND TAKE ACTION with automated capabilities
  - Resolve problems in minutes vs. hours or days, automate the tedious and error prone
- Manage network devices WITHOUT using the network
  - Polls intensively across the console; provides information proactively
  - Virtual crash cart with local data storage



## Ask the IT Director

- Reduce OPEX & truck rolls and increase uptime & visibility
- Improve Service Levels
  - Detect problems faster, resolve many immediately and automatically
- Improve Security and Compliance
- Decrease “mean-time-to-innocence”; remove finger pointing
  - Audit trail due to logging of all actions



# Console Server Competitive Comparison



**Lantronix  
LM-Series**



**Lantronix  
SLC & EMG Series**



**Opengear  
CM, OM, IM Series**



**ZPE Systems Nodegrid  
Serial Consoles**

	Lantronix LM-Series	Lantronix SLC & EMG Series	Opengear CM, OM, IM Series	ZPE Systems Nodegrid Serial Consoles
<b>Physical Size</b>	Small, half-rack width and 1-RU devices	Small, half-rack width and 1-RU devices	Small, half-rack width, 1-RU & 2-RU devices for higher port counts	1-RU devices
<b>Serial Console Ports</b>	2–104-ports	4–104-ports	4–96-ports	16–96-ports
<b>Modular Expandability</b>	Expansion cards and modem options	Expansion cards on SLC & EMG, modem options on EMG	None	None
<b>Centralized Management Software</b>	Control Center	PercepXion	Lighthouse	Nodegrid Manager
<b>OOB Connectivity</b>	Cellular v.92 dial-up Fiber LEO Satellite (Iridium)	Cellular v.92 dial-up Fiber	Cellular v.92 dial-up Fiber	Cellular Fiber
<b>Zero Touch Provisioning</b>	Yes	Yes	Yes	Yes

## Different Approaches to Console Servers

- **Lantronix**
  - All modular solutions for maximum flexibility
  - **LM-Series** | Patented AI-driven out-of-band management automation at the network's edge; highly secure enterprise solution
  - **SLC & EMG Series** | Secure remote access with scripting functionality
  - Deep technical support with Level Technical Services
- **Opengear**
  - Fixed devices with scripting; newer devices support Docker
- **ZPE Systems**
  - Focus on hybrid & SD-WAN solutions combining console servers with support for VMs and Docker

# Out-of-Band Management: Secure Remote Access

## REMOTE OUT-OF-BAND ACCESS



**Secure Console Manager  
SLC™ 8000**

- 8, 16, 32, 48 Serial Ports
- Modular design for RJ-45 serial, USB serial, Ethernet
- Dual AC or DC Power
- Dial-up modem
- ITM OS

[→ FULL SPECS IN  
PRODUCT BRIEF](#)



**Secure Console Manager  
LM83X/SLC Hybrid**

- 8 to 104 Serial Ports
- Modular design for RJ-45 serial
- Internal cellular modem options
- Dual AC or DC Power
- ITM OS

[→ FULL SPECS IN  
PRODUCT BRIEF](#)



**Large & Small Form Factor  
Branch/Remote Site Manager  
EMG™ 7500, 8500**

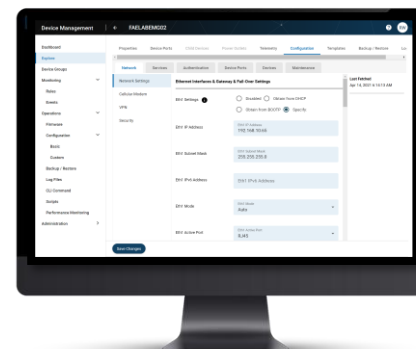
- 7500: 4 or 8 Serial Ports; RJ-45, USB, combo
- 8500: Configurable 4-8 Serial Ports, RJ-45, USB, combo
- Wi-Fi
- Cellular modem
- ITM OS

[→ FULL SPECS IN  
PRODUCT BRIEF](#)

## MANAGEMENT SOFTWARE



[→ FULL SPECS  
ONLINE](#)



- Zero-touch deployment
- Remotely monitor, manage, and troubleshoot your IoT and REM assets
- Access status data and log information to analyze data trends to improve resiliency and efficiency



# The Lantronix Spider KVM Solution

- Secure KVM server management over an IP network:
  - Secure access and management of geographically distributed IT equipment
  - Flexible, scalable, and affordable CAT-5-based remote access
  - Enterprise-class device management with Percepixon Cloud Management Platform
  - Unique, “Zero-U” footprint: rack mount saves space and cabling headaches
- Deployed in data centers, corporate or university campuses, large office buildings, branch offices, manufacturing facilities, and test & development labs
- Two versions, both with SKUs to support USB or PS2 keyboard/mouse:

## SPIDER DUO KVM

For remote and local device access, with optional power control

SLSLP400USB-02  
SLSLP400PS2-02



## SPIDER KVM

For remote device access

SLS200USB0-02  
SLS200USBX0-02 (58")  
SLS200PS20-02  
SLS200PS2X0-02 (58")



# Quick Competitive Comparison



Feature	Lantronix Spider KVM	Lantronix SpiderDuo KVM	Raritan DKX4-101	Aten CN8000A	TinyPilot Voyager 2a
Enterprise-Class Management Software	Perceptxion – Cloud SpiderView - Windows	Perceptxion – Cloud SpiderView - Windows	CommandCenter	CC2000	No
Virtual Media	Yes	Yes	Yes	Yes	Yes
Power Control	No	Yes, with optional PCU	DC-only with hardwired terminal block	No	No
Max Resolution	1920x1080	1920x1080	3840x2160	1920x1200	1920x1080
Concurrent Users	8	8	8	32	1
Security	AES, SSL, TLS 1.3 Encryption; External Auth (LDAP, RADIUS, Active Directory)	AES, SSL, TLS 1.3 Encryption; External Auth (LDAP, RADIUS, Active Directory)	AES Encryption; External Auth (LDAP, RADIUS, Active Directory)	External Auth (LDAP, RADIUS, LDAPS, Active Directory) TLS 1.2	LAN-use only or over the Internet with third party consumer software
Local Access of KVM	No	Yes	No	No	No
Rack Mountable	Zero-U Mountable	Zero-U Mountable	Desktop Box	Desktop Box	Desktop Box
Cooling Fan	No	No	No	No	Yes
NDAA Complaint	Yes	Yes	Not listed	Not listed	Not listed
Cost (MSRP)	\$517	\$559	\$798	\$873	\$415

# Lantronix Out-of-Band Management

Needed from Wall Street to Main Street

FEDERAL

EDUCATION

ENERGY

ENTERPRISE

FINANCIAL

HEALTHCARE

TELECOM

SATELLITE

STATE &  
LOCAL





LANTRONIX

*Out-of-Band*

EVERYWHERE

Thanks!



# Thank You!



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