UPLOGIX

> *Uplogix 5000 Local Manager Datasheet*

Uplogix provides the industry's first local management solution, putting the power of your most trusted IT administrator everywhere, all the time.

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The Uplogix 5000 delivers advanced local management capabilities for data centers, branch offices and remote locations on a robust and flexible platform. With integrated functionality for access, control and enforcement, Uplogix Local Managers (LMs) can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages.

Key Benefits:
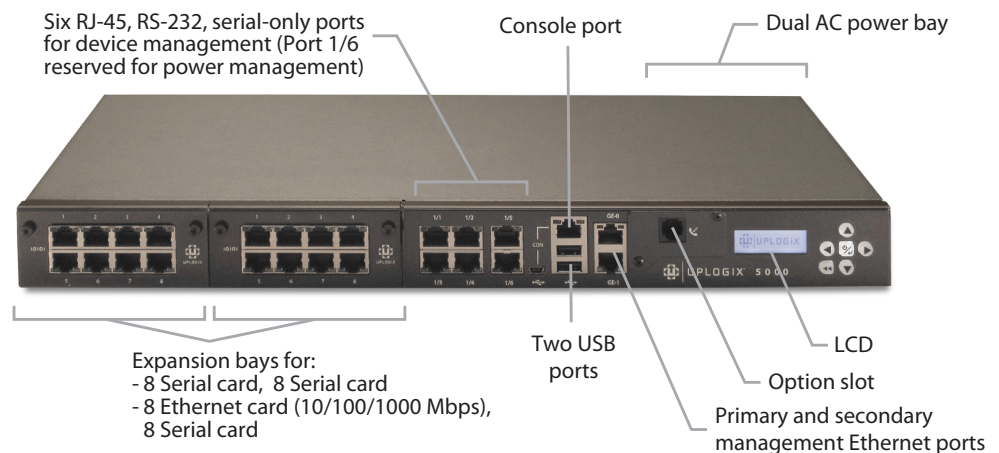
▶ **Flexible** | Offers a variety of configurations and remote management paths

▶ **Scalable** | Designed to scale to meet your local management needs whether deployed at a remote branch office or a core data center

▶ **Robust** | Delivers advanced local management capabilities for a wide variety of distributed IT assets, including servers and network devices

Enterprise Scalability & Performance for Local Management

Uplogix local management solutions can automate a majority of the routine maintenance and recovery tasks of an IT admin, but faster, error-free and at a fraction of the cost. Uplogix reduces management complexity by delivering integrated, local management solutions to provide secure remote access and local, in-depth monitoring, as well as configuration, fault and service level management.

Uplogix 5000 Up Close

FRONT VIEW

Six RJ-45, RS-232, serial-only ports for device management (Port 1/6 reserved for power management)

Console port

Dual AC power bay

Expansion bays for:
- 8 Serial card, 8 Serial card
- 8 Ethernet card (10/100/1000 Mbps), 8 Serial card

Two USB ports

LCD

Option slot

Primary and secondary management Ethernet ports

Uplogix' flagship Local Manager (LM), the Uplogix 5000 is configurable to manage 6-, 14-, or 22-port models, including a managed power device. The Uplogix 5000 is a scalable and robust LM for enterprises that locally manage an ever-growing infrastructure of distributed networking gear, servers and other IT devices located at remote sites, branch locations and data centers.

The Uplogix 5000 provides persistent connectivity to managed devices through both in-band and out-of-band channels. With the built-in intelligence of the Uplogix Local Management Software, the LM monitors devices locally, performs maintenance or recovery tasks as needed, and constantly enforces security policies—regardless of the state of the network.

Unparalleled management control is possible by interfacing directly through the console port of the devices it manages. This connection enables always-on, localized, round-the-clock management for your IT infrastructure. With integrated functionality for access, control and enforcement, Uplogix LMs can automate as much as 70% of routine network maintenance functions and autonomously address the majority of issues that cause network-related outages. Problems that today might require IT staff on-site physically to resolve are detected by the Uplogix in seconds, and fixed in minutes.

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Key Local Management Features and Capabilities

Feature	Capability
Access	
Heterogeneous Device Access	Secure remote access and native support for any console-managed device
Secure Remote Access	Provides access via Secure Shell (SSHv2), integrates with remote authentication and accounting such as TACACS and Radius. Supports additional security features such as source address (IP and caller ID) filtering
Out-of-Band Connectivity	Supports dial-in/ PPP dial-out (with VPN support) via optional embedded, Iridium or GlobalStar modems
In-depth Device Monitoring	Leverage serial connection to managed device to collect data, either in-band or out-of-band, on hundreds of performance variables every 5 to 30 seconds
Environmental Monitoring	Collects and reports device environmental data for temperature and humidity to be used to trending and root cause analysis
KVM over Service Processor	Enables local access and control to a remote server (i.e. provisioning, monitoring, troubleshooting, restricting access) without having to deploy external KVM appliances; functions independent of the availability of server's operating system or the primary network connection
Remote Web Access	Offers secure access to remote devices with web-only management interfaces without requiring additional overhead to manage
Control	
Heterogeneous Device Management	Advanced driver support for remotely managing Cisco, Nortel, 3COM, Juniper, Alcatel, NetScreen, and Tasman routers, switches, and firewalls; TippingPoint intrusion prevention systems (IPS); Garmin GPS devices; Comtech, ND SatCom, and iDirect satellite modems; Iridium and GlobalStar external data modems; Solaris, Linux and Windows servers (console port); Sun, Dell, IBM, HP servers (service processor port); APC, ServerTech, and Baytech power controllers.
Robust Automation	Provides automation of routine management tasks through rule-based engine. Includes diagnosis of non-standard operational state based on configurable thresholds, and execution of recovery procedure to restore normal operational state. Can be used to restore a last known good configuration, diagnose and correct failures across multiple devices, and notify IT staff of the problem and recovery action taken.
Proactive Maintenance	Supports OS upgrade with verification and locally archives OS images with full rollback support. Power-On-Self-Test (POST) data and diagnosis data (e.g. – Cisco "show tech"). Enables password recovery for certain devices through combination of device boot and power management procedures
Remote Power Management	Monitors power utilization and controls power to remotely restart a managed device
Device Recovery with SurgicalRollback™	If a configuration change fails, immediately rolls the device back to the last known good configuration; supports full commit and rollback operations
Real-Time Log Inspection & Management	Collects and inspects device console data in real-time; Sends alarm or takes predefined recovery action based specific log messages to shorten MTTR
Service Level Verification	Uses synthetic transactions to regularly collect network- and application-specific performance data. Uplogix LMs locally correlate service-level data with infrastructure performance data to triangulate, pinpoint and correct service-related problems
Service Processor Automation	Provides the ability to remotely monitor, manage, diagnose and recover servers, even if operating system has hung or the server is powered down
Enforce	
Session Management	Automates session management to prevent unauthorized access
Granular Authorization	Ensures the right users have the right access by enforcing role-based, command-level authorization
Complete Logging	Audits all user access, device changes, and session activity for compliance

SYSTEM SPECIFICATIONS

System
- ▶ Network interfaces: Supports up to 22 network devices (including managed power) via serial (RS-232)
- ▶ Management interfaces: Two 10/100/1000 BaseT Ethernet interfaces (with failover support) and one RS-232 console port
- ▶ On-board storage: 40GB SSD
- ▶ Peripheral connectivity: One RS232 power management port and two USB ports
- ▶ One mezzanine option slot (global: RS232; domestic: V.92, cellular)

Dimensions and Weight
- ▶ Height, Width and Depth: 43.2 mm (1.70 in.) x 445 mm (17.5 in.) x 216 mm (8.5 in.); 1 rack unit (1RU)
- ▶ Weight: 3.72 kg (8.2 lbs.)

Operating Environment
- ▶ Power Supply: Redundant internal universal power (100-240 VAC) 50/60 Hz, 40 W
- ▶ Operating: 0° C to 45° C (32° F to 113° F) at mean sea level, 20% to 80% relative humidity, non-condensing
- ▶ Non-operating: -30° C to 60° C (-22° F to 140° F) at mean sea level, 90% relative humidity, non-condensing

Regulatory
- ▶ Emissions: FCC class A sub part B
- ▶ Safety: CU, TUV
- ▶ RoHS compliant

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PARTNER
Technology Developer

ABOUT UPLOGIX // Uplogix provides the industry's first local management solution. Our co-located management platform automates routine administration, maintenance and recovery tasks—securely and regardless of network availability. In comparison, traditional network and systems management depends on the network, uses multiple tools, and remains labor intensive. Uplogix puts the power of your most trusted IT administrator everywhere, all the time.

Uplogix is privately held and headquartered in Austin, Texas. For more information, please visit www.uplogix.com.