

Lantronix Mobility Solutions

IIoT Connectivity: Manage - Monitor - Control



LANTRONIX®

Lantronix Mobility Solutions

Lantronix Mobility Solutions offers a range of state-of-the-art cellular modems, routers, and gateways ideally suited to numerous M2M and IoT applications. Coupled with a device management platform to monitor, administrate, and operate devices over-the-air.

M Series – Cellular Modems



The M Series are cellular IoT serial and USB modems supporting LTE-M1/NB-IoT and Cat1 cellular communications. They are compact and intelligent industrial modems in a small form factor and provide industrial performance with very low power consumption. They allow Internet connectivity via serial port to:

- Programmable Logic Controllers (PLC) or Remote Terminal Unit (RTU)
- Electricity Meters
- Vending Machines

The M Series transport data from any legacy industrial equipment to data control servers, allowing businesses to benefit from real-time data monitoring, management, and control.

Key Features of the M Series are:

- Failover Protection – dial-up, TCP/UDP permanent Client/server or on-demand client with two TCP/UDP sockets
- Dial in capability with its auto-TCP mode
- Secure Network Connections – with network connectivity watchdog
- Cloud Connectivity – using Lantronix Software Services



E Series – Cellular Routers



The E Series are cellular routers supporting LTE, Cat1, WAN, LAN, Wi-Fi, and serial connectivity, and is designed for Industrial Internet Of Things and enterprise applications, including industrial automation, point-of-sale payments, infrastructure and transportation with a robust connectivity requiring faultless connectivity.

Key features of the E Series are:

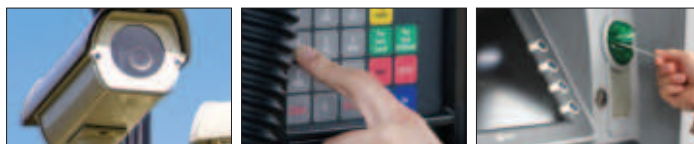
- Ease of Use – web-based user interface, set-up wizard, console log viewer, save/load configuration, SMS/OTA remote configuration
- Secure Network Connectivity – through network connectivity watchdog (configurable), internal application watchdog
- Failover Protection – automatic failover functionality to ensure

Internet connectivity for your applications with minimum connection problems

- Always on connectivity – with dual SIM support, the router can use custom scripts to selectively choose the SIM used for data or to easily switch between them based on Quality of Service (QoS).

This highly versatile, reliable, and rugged series of routers are ideally suited for mission-critical Industrial Applications such as:

- Security & Surveillance
- POS Payment Systems
- EV Charging Stations
- ATM's



Lantronix Software Services



PercepXion™ secure cloud platform to manage remote IoT gateways through a single pane of glass. <https://www.lantronix.com/percepXion/>

Connectivity Services - North American and global cellular data plans and VPN security with an easy-to-use cloud platform to manage your SIMs and services. <https://www.lantronix.com/connectivity-services/>

LMS Solutions in Action

Case Study 1 – Power Distribution

Remote Fault detection and Isolation
OPTCL, Uttarakhand SCADA, Assam SCADA
Lantronix Product: **M100**



Solution Overview:



Key Benefits:

- Quick detection and isolation of faults
- Bi-directional communication with SCADA systems
- Protocol conversion capabilities
- Reduction in operating and capital costs

Key Benefits:

- Reliable payment processing kiosk system, leading to real time transaction to the accounting system and the credit processing service.
- High-speed 4G LTE network connectivity with dual SIMs functionality
- Multiple types of VPN and encryption for secure data transmission
- Optimized safety and security by monitoring asset location and utilization
- Ruggedized, mission-critical performance in extreme environments

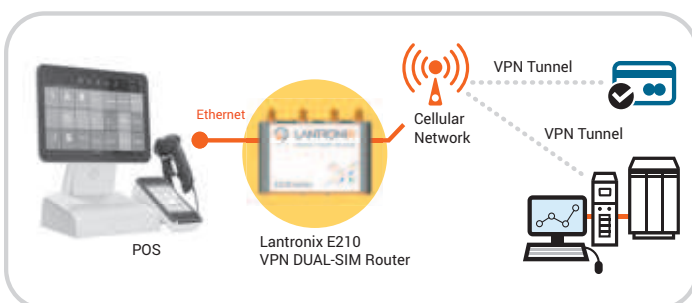
Case Study 3 – Security Systems



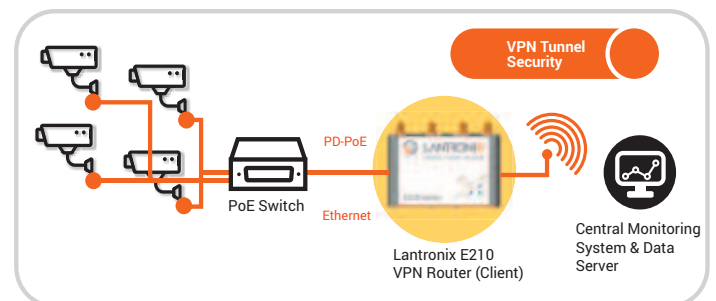
Case Study 2 – POS Payment Systems



Solution Overview:



Solution Overview:



Key Benefits:

- High Speed Cellular Connectivity: up to 150 Mbps downlink on LTE-Cat4
- More efficient power consumption with PD-PoE: to simplify the provisioning and deployment to be cost-effective
- Rugged and compact: easy installation in any environment

The Full Portfolio of Lantronix Solutions

Lantronix Out of Band Management Solutions

Access your network remotely and increase your network resilience with Lantronix's innovative and state-of-the-art Out of Band Management (OOBM) Solutions for your IT infrastructure. Lantronix OOBM offers streamlined remote management of networks, servers and power infrastructure in data centers, remote branch offices and remote sites, ensuring business continuity and secure, reliable access.

Our top Out of Band Management Products:

[Lantronix SLC 8000: Advanced Console Manager](#) – advanced console manager that provides secure access to IT equipment

[Lantronix EMG™ Edge Management Gateway](#) – perfect edge solution for anywhere an offsite network device is needed, and space is limited

[Lantronix PercepXion™](#) – secure cloud platform that provides comprehensive life cycle management, application integration and analytics through a single pane of glass



Lantronix Embedded Wired and Wireless Solutions

Lantronix portfolio of IoT Gateways includes a wide range of solutions designed to deliver secure wired and wireless connectivity for virtually any device. From medical devices to industrial machinery, Lantronix provides OEMs and system integrators with secure enterprise-class solutions that provide network connectivity, remote device management, cloud connectivity, and edge analytics for brownfield equipment and next-generation connected devices.

xPico 270 Embedded IoT Gateway -

Secure, Industrial-grade 802.11ac Wi-Fi, Bluetooth, and Ethernet connectivity (Connectivity: [Bluetooth](#), [Ethernet](#), [Wi-Fi](#))

xPico 240 Embedded IoT Gateway -

Industrial-grade high-performance Wi-Fi and Ethernet connectivity with enterprise security (Connectivity: [Ethernet](#), [Wi-Fi](#))

xPico 250 Embedded IoT Gateway -

Industrial-grade high-performance Wi-Fi, Bluetooth, and Ethernet connectivity with enterprise security (Connectivity: [Bluetooth](#), [Ethernet](#), [Wi-Fi](#))



SGX™ 5150 -

Industrial-grade IoT device gateway (Connectivity: [Ethernet](#), [Wi-Fi](#))



XPort® EDGE -

Embedded Wired Ethernet Gateway (Connectivity: [Ethernet](#))



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