

Lantronix Mobility Solutions

IIoT Connectivity: Manage - Monitor - Control



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/sever 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 automatization, 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



ConsoleFlow - secure cloud platform to manage remote IoT gateways through a single pane of glass. <https://www.lantronix.com/consoleflow/>

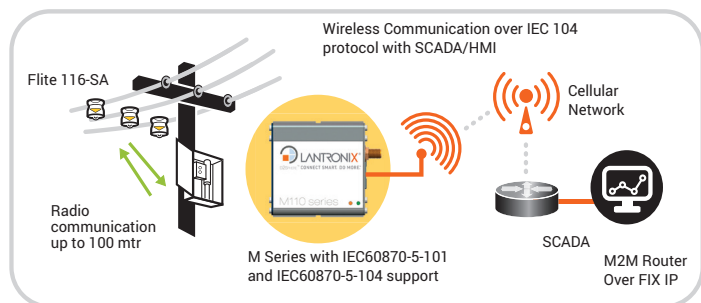
Connectivity Services - North American and global cellular data plans and VPN security with an easy-to-use cloud platform to manage your SIMs and services. <https://www.lantronix.com/connectivity-services/>

LMS Solutions in Action

Case Study 1 – Power Distribution



Solution Overview:



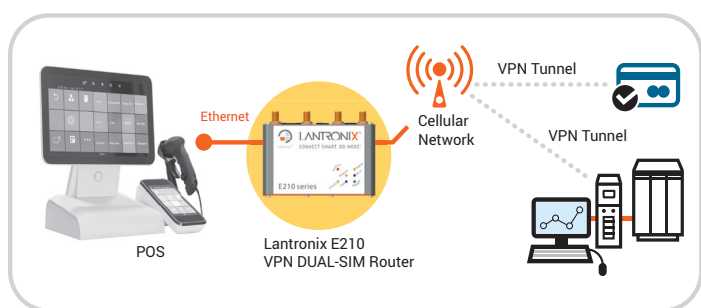
Key Benefits:

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

Case Study 2 – POS Payment Systems



Solution Overview:



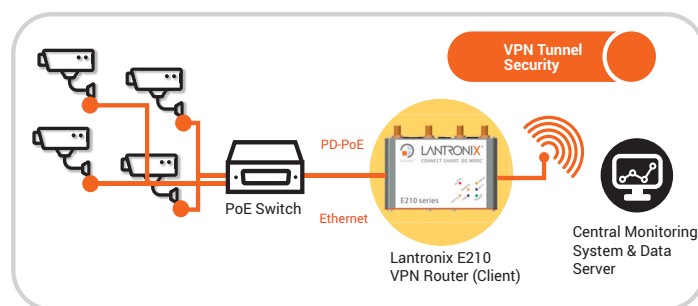
Key Benefits:

- 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



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