



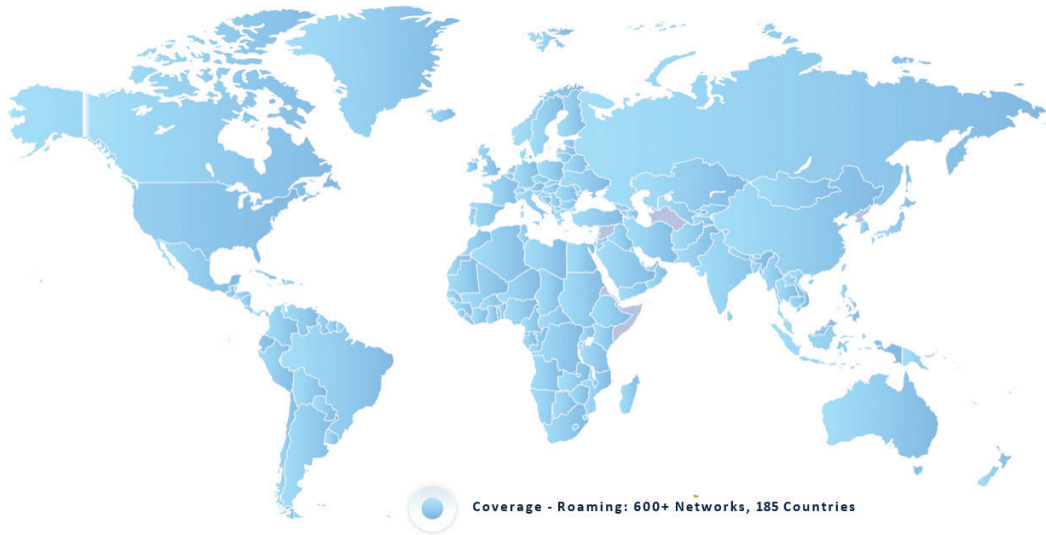
LANTRONIX

Connectivity Services

Secure global internet for everything.



Private LTE



What is Private LTE?

A Private LTE network uses the same industry-proven protocols and technology that standard public LTE networks operate with today. Like Wi-Fi access points, small radio cells are installed on-site by the organization or by a managed service provider to supply a dedicated LTE network covering thousands of square feet.

Private LTE is a cellular network built and designed to run explicitly to benefit an organization. The organization has complete control over the networking environment, making it easy to optimize it for a specific purpose. The organization decides:

- Who has priority and access to the private network?
- Where there will be coverage
- How the network will perform

Private LTE is very different from public LTE, which is designed to run and benefit the cellular carrier and anyone paying their monthly fee.

Features and Benefits

Compared to Public LTE or Wi-Fi networks, Private LTE networks have the following advantages:

- **Privacy and Security**
Data never leaves the organization's network. This is especially important for regulated industries, such as Finance or Healthcare. SIM security ensures that each device has a unique ID on the network and is properly authenticated before the device can connect. Giving network administrators control over what devices are allowed on the network.
- **Complete Control over your own network**
Make changes to your network instantly, no waiting for operators to respond to tickets. Additional packet gateways can be deployed and managed on the fly allowing an organization to set different requirements in terms of bandwidth speed, Quality of Service (QoS), and data path control.
- **Network Slicing**
Traditionally associated with 5G, in a private LTE environment the network can also be "sliced" by creating different packet gateways for different groups of devices. These can then be managed separately, for varying bandwidths, security protocols and QoS requirements.
- **Device Isolation**
Quarantine infected or runaway devices into a separate gateway, isolating it away from your primary network.
- **Resiliency**
Reliable connectivity with high speeds, reduced latency, greater coverage, and signal penetration.
- **Mobility**
Seamless hand-over between Private LTE small cells and the public LTE network. Unlike Wi-Fi, there's no connection loss with private LTE.
- **Future Proofing**
As a precursor to 5G, Private LTE is the perfect steppingstone that gives connected enterprises a competitive advantage today whilst preparing their networks for the future.
- **Scalability**
Seamless orchestration as you grow.

Lantronix Private LTE

Organizations can deploy their own private LTE networks - high levels of data security, network separation and consolidation over traditional cellular services. Providing a Simplification of operator interconnects, consolidating cellular traffic through a common network.

Perfect For:



Industrial 4.0 Warehouses Robotics Financial Public Utilities Security

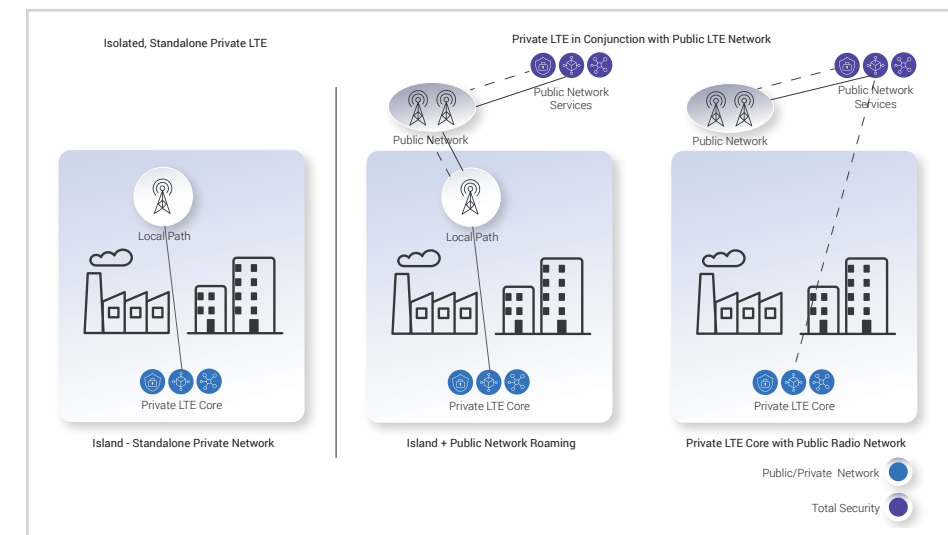
Key Benefits:

- CBRS Private LTE with Lantronix Core on edge
- Public / Private network roaming
- **Single pane of glass management multiple locations**
- **Lower cost than Wi-Fi with better performance**
- Seamless secure connection
- Central policy control - globally managed

5G's support for sub-6 Gigahertz (GHz) spectrum means that companies can easily upgrade their private LTE network into a private 5G network, using the same spectrum they are currently using for their private LTE network, while benefiting from many of the speed, latency, and other performance improvements offered by 5G.

Four Step Deployment. Containerized, Purpose-built for Cloud & Edge Computing.

1. Simply install the Core Private LTE Containers in an enterprise-controlled data center, cloud, or edge appliance.
2. Insert the Lantronix SIM into your IoT device. One SIM for all networks and locations.
3. Configure, operate, and monitor your devices from anywhere, anytime, on any network using our platform.
4. Stand Alone and Public Roaming Options



Supported Lantronix Devices

Cellular Gateways



- G520**
LTE-Cat 4 Cat 13 to 5G
Vertical focus on:
- Industry 4.0
 - Security
 - Transport



- X300 Lowest TCO***
- Wi-Fi -LTE M1 & Cat1
 - Gateway as a Service
 - Industrial
 - High Availability
 - Medical Variant



- E213**
CatM router
- Tiny
 - Robust
 - Cost Effective



- EMG 8500 & EMG 7500**
Edge Management Gateway
- Small Form Factor
 - Modular Design
 - Enterprise-grade security

Cellular/GNSS Trackers



- Bolero 43**
CatM router*
- Tiny
 - Robust
 - Cost Effective



- Fox4 M1 & Cat1***
- Easy Config
 - Cellular BLE & Wi-Fi
 - Multiple Hardware Interface

* Product coming soon.

Ordering Information

Americas
800.422.7055
americas_sales@lantronix.com
www.lantronix.com
NASDAQ: LTRX

Europe
+31 (0) 76.52.3.674 4
eu_sales@lantronix.com

Asia/Pacific
asiapacific_sales@lantronix.com