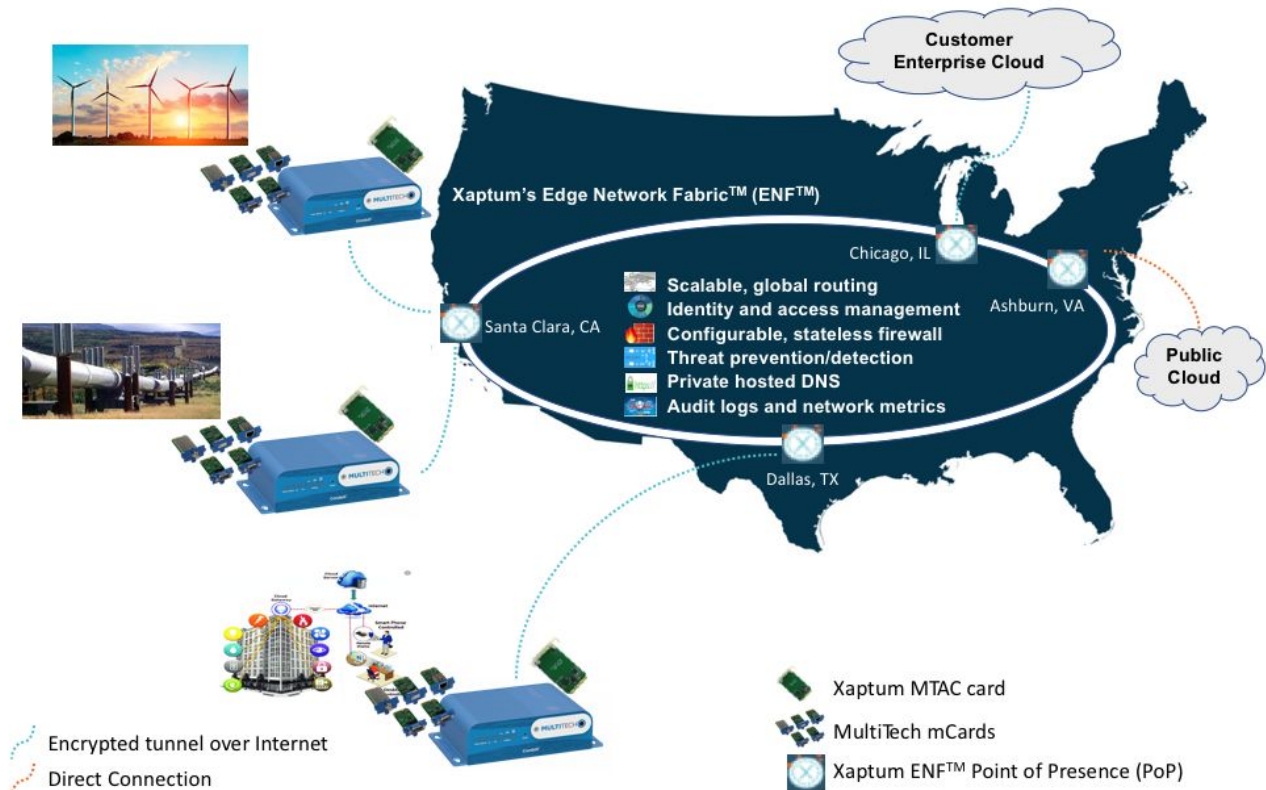


## Hardware-backed end-to-end security for industrial IoT applications

**Note: Each MTAC comes embedded with a 3yr license of ENF (Edge Network Fabric™) services.**

Easily connect, secure and manage dispersed, remote and demanding industrial IoT devices and applications on a network invisible to the internet.

	Challenges	Solution: Security Bundle with MultiTech's Conduit® gateway and Xaptum's Edge Network Fabric™ (ENF)
<b>Security</b>	Extend IT security from enterprise to IoT networks	Isolated from the internet, with security policies extended from cloud to customer premises
<b>Connectivity</b>	Multiple end device connectivity options	Connect end devices using LoRa/WiFi/Bluetooth/serial/Ethernet and manage as one network
<b>Provisioning</b>	Robust and scalable key management	Zero-touch gateway key provisioning
<b>Management</b>	Onsite maintenance visits	Manage devices, applications and data through a single screen with secure remote access, including network monitoring, zero-trust based identity and access management (IAM), and programmable over-the-air (POTA) updates
<b>Visibility</b>	Compliance and forensic audits	Full end-to-end data audit trail between end devices and the cloud
<b>Reliability</b>	Demanding environments	Industry-leading provider of ruggedized gateways that can handle industrial and outdoor conditions
<b>Affordability</b>	Cost of custom engineering effort for development, management and maintenance	Simple subscription model eliminates the need for dedicated private wireless or wired networks





## **The Xaptum Edge Network Fabric™ (ENF)**

The ENF helps you seamlessly secure and scale your edge/IoT applications by providing a multi-tenant overlay network that combines zero-trust network access, zero-touch provisioning and zero-attack surface technologies.

### **Network Features**

- Overlay network is a registered ISP that can offload traffic from any last-mile provider in the US
- Direct routing to the cloud (AWS, Azure, and more)
- Network isolation keeps devices invisible to the public Internet
- Each customer is assigned a unique IPv6 address block assignment on this multi-tenant overlay network
- Permanent, static IPv6 address assigned to each device for easy identity and access management, with IPv4 support for legacy deployments
- Private hosted DNS service
- Customers can define security policy rules mandating which devices can connect to the Internet with stateless firewalls, etc
- Identity and access management (IAM)
- Audit logs and network metrics export
- Command-line interface (CLI) and REST API for configuration
- Proactive prevention of zero-day exploits and misconfigurations

### **MTAC mCard™ for MultiTech Conduit (XAP-EA-004)**

- On-ramp to Xaptum's ENF™ secure overlay network
- Hardware-based security (TPM 2.0) enables scalable zero-touch provisioning
- Open-source drivers pre-packaged for mLinux and mPower
- mCard form factor

### **MultiTech Conduit® programmable industrial IoT & LoRa gateway**

The Conduit® is the industry's most configurable, manageable, and scalable LoRa gateway for industrial IoT applications.

Network connectivity choices to your preferred data management platform include carrier approved 4G-LTE, 3G, 2G, and Ethernet.

Network engineers can remotely configure and optimize their Conduit performance through DeviceHQ®, the world's first IoT Application Store and Device Management platform. The Conduit features Wi-Fi/Bluetooth/Bluetooth Low Energy (BT/BLE), GNSS and two accessory card slots that enable users to plug in MultiTech mCard™ accessory cards supporting their preferred wired or wireless interface to connect to a wide range of assets locally to the gateway.

Available options include a LoRaWAN® mCard capable of supporting thousands of MultiTech mDot™ and xDot® long range RF modules connected to remote sensors or appliances.

#### **Key benefits**

- Incredible asset management range - up to 10 miles line of sight, 1 to 3 miles into buildings
- Integration support with a variety of partner and private Cloud Platforms
- 2-way communication over any certified cellular network for cost effective global deployments
- Create differentiated services for your customers via MultiTech's Application Store