

# INTRODUCING OptConnect ema™

The 1<sup>st</sup> Fully Managed Embedded Modem Solution For IoT



Flexibility  
To Connect



ema:Play



ema:mPCIe



ema:USB



End-Device  
Certified

+



Multiple Ways  
to Connect

+



Embedded  
Firmware

+



Embedded  
Software

+



Dual-Carrier  
Connectivity

+



Robust Suite of  
Managed Services

## The First of Its Kind

OptConnect ema™ is the world's first smart embedded modem solution for M2M/IoT applications. ema **eliminates the delays, complexities, and frustrations** of typical cellular deployments providing a complete connectivity solution.

OptConnect ema™ includes onboard intelligence that provides all the monitoring, manageability, security, reporting, certifications and autonomous self-healing of the connection. That's what makes ema different. We've built ema to be **truly intelligent, truly managed, and truly monitored**. With plug and play functionality built right in, all the customer host board has to do is just use it.

## Easy to Implement and Connect

OptConnect ema™ is **fully certified** as an end user modem and eliminates the need for a customer's host board and equipment to be certified by carriers. With a multitude of ways to connect OptConnect ema™, customers can introduce new board designs as often as necessary and **never have to send their designs through a time consuming and costly certification process**.

OptConnect ema™ allows companies to focus on their core business strengths and outsource one of the biggest stumbling blocks for IoT projects in order to **get to market faster, reduce costs, and increase the success rate of their projects**.

For technical documentation visit [www.OptConnect.com/ema](http://www.OptConnect.com/ema)  
or call one of our connectivity experts at 877-678-3343 to learn more.

OptConnect ema™ comes integrated with OptConnect's suite of management tools, support, security and monitoring to take the guesswork, frustration, and stress out of connectivity.



24/7 Customer Care Center



Dual-Carrier



Robust Warranty



Real-Time Monitoring/Management



Secure Private IP Network Connections



Summit Customer Portal



Auto Reconnect



Customized Data Plan



API Integration



Device Level Monitoring



Data Coverage Risk Mitigation



Fulfillment and JIT Ship to Site Logistics

## OptConnect ema™ Hardware & Software

### Hardware

**ema** - A unique configurable smart modem to easily connect any application to OptConnect's Managed Services.

**ema:Play** - Provides a "sandbox" environment with hardware and software interfaces for customers to test and develop.

**ema:mPCIe** - An easy way to connect OptConnect ema™ if the board has an available mPCIe slot.

**ema:USB** - Can be used if the customer wants to connect via available USB slots and does not need router functionality.



### Software

**emaLink** - A proprietary pre-built software interface that allows the host to "peek" into the management and monitoring functionality. It also allows the following feature sets:

**Glimpse** - A unique capability that gives you cellular connection statuses right from your equipment's screen, minimizing your time on-site.

**BoardID** - An emaLink cmd that can be used to specify the Board ID. This is a custom ID that can be used by the host for identification purposes and displayed in Summit.

**BoardNotify** - A feature that allows any internet-connected device to send small chunks of data to ema using the Summit API secure channel. This allows the user's host application to utilize ema to remain mostly idle without having to periodically send or poll data from the server which reduces data usage and power consumption.

**Summit** - A robust, cloud-based customer dashboard that enables you to manage your devices from anywhere. Summit APIs are also available to allow integration with a customer's existing platform.