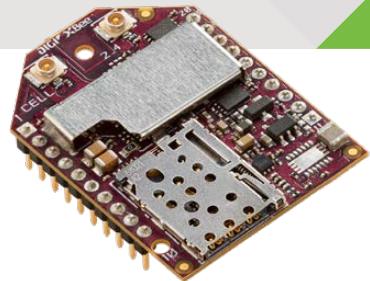




# 5 REASONS YOU SHOULD CONSIDER EMBEDDED CELLULAR CONNECTIVITY

Cost-Effective Embedded  
Cellular Connectivity Has Arrived



Digi XBee3  
Cellular

# Makers of Remotely

deployed sensors and devices have settled for the compromises, expense, and provisioning/maintenance complexity of traditional RF connectivity for years. Cellular connectivity addresses many of these drawbacks – but still hasn't been cost-feasible for smaller deployments of ten or fewer devices. Today, that's changing. The Digi XBee3 Cellular family simplifies your deployment of embedded cellular connectivity by reducing or eliminating the time and cost of development and certification to incorporate cellular technology into your products.



The Digi XBee3 Cellular is built to make embedded cellular connectivity painless for OEMs. It eliminates the need to spend excessive time and money on development and certification.



## 1 Cost-Effectiveness

Chances are, you've considered embedded cellular in the past, but understandably rejected it because of high-cost data plans from carriers. Today, however, with the emergence of LTE Cat 1, LTE-M and NB-IoT, the economics are becoming far more favorable – sometimes in the range of just US\$2/month (1 MB data plan). For deployments up to ten per location – such as low-power wide-area (LPWA) applications – it can be cheaper to embed cellular connectivity in each device instead of aggregating through a single gateway.

## 2 Greater Coverage

As carriers continue to build out their networks to the furthest and remotest areas, there are fewer dead zones to limit your deployments. With Digi XBee3 Cellular embedded modems, you can easily develop and quickly deploy smarter, connected devices that are carrier-certified out of the box.

## 3 Carrier Pre-Certification

Digi XBee3 Cellular is FCC-certified and end-device-certified, so your device gets to market faster. Digi eliminates the traditional delays, thousands of dollars in costs, and headaches. Coming soon, Digi XBee3 units will be pre-provisioned as well for even faster deployment. OTA firmware updates and local or remote configuration give you greater manageability.

## 4 Long-Range, Two-Way Communication

Digi XBee3 Cellular enables secure out-of-band connectivity to devices on third-party sites – without requiring access to those sites' wireless networks. What's more, cellular networks extend your reach far beyond the limitations of unlicensed RF spectrum.

## 5 Support for Low-Power and Solar/Battery-Powered Devices

Your device can operate in ultra-low-power modes – including sleep and deep-sleep modes. Wake up and transmit data once a day or once an hour, as needed, to optimize your battery life.

### The New Option for Embedded Cellular Connectivity

- Industry's fastest path to embedded cellular connectivity with LTE Cat 1
- Industry's smallest end-device-certified cellular module
- FCC pre-certified, Verizon end-device-certified, and (coming soon) hot-shipping on the Verizon network
- Authentic 20-pin Digi XBee through-hole form factor
- Standard Digi XBee AT and API interfaces
- 3.3 V power with low-power options for battery-powered applications
- OTA firmware updates
- SSL/TLS for secure communications
- Configures locally with XCTU or remotely with Digi Remote Manager®

### An Ideal Answer For

- One to ten remote devices per location
- Devices that interface with cloud-based applications
- Devices at third-party sites with closed security
- Low-power/solar-powered devices that must sleep

# Municipal Lighting

Communicate to cloud-based applications to manage and control city-wide networks of streetlights.

## Oil/Gas Sensors

Keep in touch with remote sensors on compressors in oil fields or in storage tanks. Get the latest temperatures, pressures, and volume levels or turn switches on/off.

## Environment Monitoring

A solar-powered weather-monitoring station can directly communicate to a cloud-based application to report hourly weather data.

## Variable Signage

Deploy with VMS signage and speed sensors to connect and report traffic data twice per day.

GIVE WAY TO  
EMERGENCY VEHICLES

Digi XBee3 Cellular enables OEMs to quickly integrate cutting edge 4G cellular technology into their devices without dealing with the painful, time-consuming, and expensive FCC and carrier end-device certifications.

**FOR MORE ON DIGI XBEE3 CELLULAR  
PLEASE VISIT [WWW.DIGI.COM/XBEECELLULAR](http://WWW.DIGI.COM/XBEECELLULAR)**

## Contact a Digi expert and get started today

PH: 877-912-3444  
[www.digi.com](http://www.digi.com)

### **Digi International**

#### **Worldwide HQ**

11001 Bren Road East  
Minnetonka, MN 55343

**Digi International - Japan**  
+81-3-5428-0261

**Digi International - Singapore**  
+65-6213-5380

**Digi International - China**  
+86-21-5049-2199

**Digi International - Germany**  
+49-89-540-428-0



/digi.international



@DigiDotCom



/digi-international