

Remote Communications Retrofit

Replace dial-up modems with Digi cellular routers

Overview

Just as telephones evolved from wired to wireless, data communications are rapidly changing as well. Millions of remote devices still use old analog modems for slow dial-on-demand, pay-by-the-minute communications. However, with the rapid expansion of reliable, high speed cellular networks, using wireless connections for these remote assets is often a much smarter choice.

Digi's Cellular Alternative to Dial-up Modems

Although sufficient for the last 15+ years, dial-up modems are now being replaced with flexible cellular technology for more reliable, faster and cost-effective communications. Digi's cellular solutions provide simple drop-in replacements for dial-up modems for seamless end-to-end remote connectivity.

Problems with Dial-up Modems

- Slow (56K max)
- Vulnerable to landline issues (weather, construction, etc)
- Expensive (pay by the minute)
- Ties up landline for voice
- Dial-up not available to many remote sites
- Some landlines not reliable

Advantages of Cellular Routers

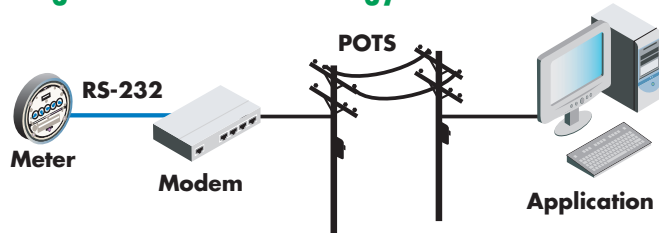
- High speed where available (up to 1.5 Mbps)
- More resistant to natural disasters and construction interruptions
- Cost-effective (pay by the byte)
- Portability – easily moved around
- Always-on – ensures faster connections

Retrofitting is easy. Simply disconnect the old dial-up modem and plug into a Digi Connect® WAN cellular router serial port. For devices that only have a built-in dial-up modem and no serial or Ethernet port, the Digi DialServ™ adapter acts as a phone emulator to convert an RJ-11 connection to a serial connection. Configure the Digi cellular router (via web interface) to the modem settings of your device. With these few steps, the device now looks like a standard modem for access from a central server application. When the application dials out, it will be configured to dial the IP address instead of the phone number.

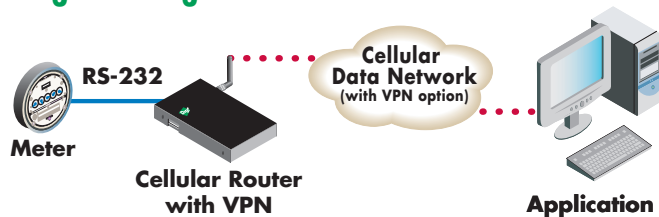
Applications for Cellular Retrofits

- Meters
- POS devices
- ATMs and credit card machines
- Pay-at-the-pump
- Healthcare devices
- RTUs
- Analog cellular migration

Using Old Modem Technology



Using New Digi Cellular Wireless Routers



Cellular Products Used for Dial-up Modem Replacement

- Digi Connect WAN Routers
- Digi DialServ

Features/Benefits

Retrofit existing devices

Eliminate landlines modem connections

Digi SureLink™

- Cellular upgrades are inexpensive and offer longer life to expensive legacy devices
- Cellular more resistant to outages caused by natural disasters or line breaks
- Higher speed cellular connections widely available
- Save money with cellular plans – pay only by the byte, not by the minute
- Portability of wireless translates to ease of transport and lower costs
- Provides an “always-on” connection



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