Replace Dial-up Modems with Wireless Routers

Upgrade devices with legacy modems to wireless with Digi cellular routers

**Replace Dial-up Modems with Digi Cellular Routers**

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)
- Dial-up data connection slow to initialize
- Vulnerable to landline issues (weather, construction, etc.)
- Expensive (pay by the minute)
- Inflexible fixed location
- Dial-up not available to many remote sites

**Advantages of Digi Cellular Routers**

- High speed where available (up to 1.5 Mbps)
- Always-on, ensuring faster connections
- More resistant to natural disasters and construction interruptions
- Cost-effective (pay by the byte)
- Portable – easily moved around
- Cellular coverage often available – even in remote locations

**Cellular-Enable Devices with Built-in Analog Modems**

BEFORE

- RJ-11
- POTS
- Application

AFTER

- RJ-11
- Serial
- Digi DialServ™
- Digi Cellular Router with VPN
- Wireless Telco Network
- Internet/Frame Relay/VPN
- Application

**Devices with Built-in Analog Modems Can Be Easily Upgraded to Wireless**

1. Attach device via phone line to Digi DialServ™ (RJ-11 to RS-232 phone line simulator).
2. Plug the Digi DialServ into a Digi cellular router.
3. Digi cellular router allows device to phone home to the central office over a cellular data network by using an IP address as the phone number.
Cellular-Enable Serial Devices That Currently Use Dial-up Modems

**BEFORE**

- Credit Card Reader
- Modem
- Serial cable
- POTS
- Application

**AFTER**

- Credit Card Reader
- Digi Cellular Router with VPN
- Wireless Telco Network
- Internet/Frame Relay/VPN
- Application

Devices with External Analog Modems Can Be Upgraded Easily to Wireless

1) Attach device via serial cable to Digi cellular router.
2) Digi cellular router allows the device to securely phone home to the central office over a cellular data network by using an IP address as the phone number.

Cellular Products Used for Dial-up Modem Replacement

- Digi Connect® WAN – CDMA/GSM connections
- Digi Connect® WAN GPRS – Low speed applications
- Digi Connect® WAN 3G – High speed EV-DO and HSDPA connections
- Digi DialServ™ (optional) – RJ-11 to RS-232 converter

Applications for Cellular Retrofits Include:

- ATMs
- Security panels
- Meters
- POS devices
- Credit card machines
- Pay at the pump
- Healthcare devices
- RTUs
- Analog cellular migration

Contact Info:
Sales: 952-912-3444
Fax: 952-912-4952
Tech Support: 952-912-3456
www.digi.com