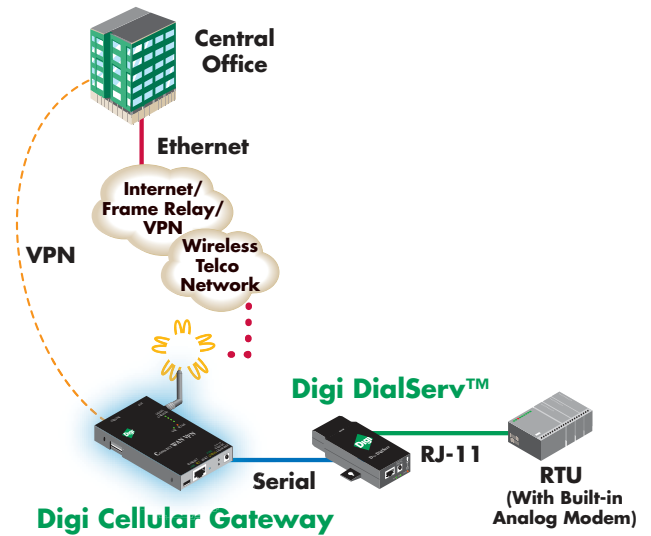# Digi DialServ™

RJ-11 Phone Line Simulator

Digi DialServ is an RJ-11 PSTN analog modem to RS-232 serial converter that seamlessly integrates with Digi cellular gateway products to provide communications across local or wide area networks to legacy devices with embedded modems.

Central Office

Ethernet

Internet/ Frame Relay/ VPN

Wireless Telco Network

VPN

Digi DialServ™

RJ-11

Serial

RTU (With Built-in Analog Modem)

Digi Cellular Gateway

Features/Benefits

- When used in conjunction with Digi cellular VPN gateways:
  - Connects legacy devices with built-in modem to LAN/WAN
  - Converts RJ-11 PSTN analog modem to RS-232 serial for compatibility with Digi cellular gateways
  - Simulates Telco network and converts phone number to IP address
  - Built-in secure VPN connection (IPsec, SSL) – even over public network
  - Dial-in/Dial-out support

- Easy integration with Digi products, including Digi Connect® WAN, ConnectPort™ WAN VPN, and ConnectPort™ X cellular gateways

Overview

Digi DialServ is an RJ-11 phone line simulator that allows legacy devices with built-in modems to communicate across LANs/WANs. Using seamless integration to Digi cellular and Ethernet gateways, Digi DialServ provides secure IPsec or SSL VPN connections – even over public networks.

When used with Digi cellular gateways, Digi DialServ works with both dial-in and dial-out applications by simulating the Telco network and converting the requested phone number to an IP address. This allows remote devices with a built-in modem (and an RJ-11 port) to seamlessly communicate with a centralized location as if they were TCP/IP devices.

Replacing old phone lines with IP communications allows customers to leverage higher availability, lower-cost networks, while potentially reducing monthly recurring costs related to phone bills. Also, devices using Digi DialServ over high speed IP networks often realize much faster transaction time versus slow dial-up modems.

Digi DialServ requires virtually no configuration, making it very easy to deploy. Simply plug the RJ-11 cable from your existing device into a Digi DialServ, which is connected to a Digi cellular gateway via serial cable. Now incoming and outbound calls will be seamlessly converted to IP connections.

Common applications for Digi DialServ include SCADA (industrial automation, utilities, etc.), retail/point-of-sale and building automation/security, and infrastructure including devices such as ATMs, RTUs, kiosks, security panels, credit card/payment terminals and pay-at-the-pump controllers.

Features/Specifications

FEATURES

- When used in conjunction with Digi cellular gateways:
  - Converts analog/PSTN data to IP/packet data
  - Data routing methods
    - Fixed IP address
    - Phone number as IP address
    - Look-up table for IP address based on phone number
    - Passing phone number to fixed IP address for routing
    - Secure IPsec and SSL tunneling available with Digi VPN gateways
  - Fully configurable through Web UI of the attached cellular gateway
- Integrated mounting brackets
- V.34 support with full error correction and compression
- Supports all modem connection rates from 300 baud to 33.6 Kbaud
- Integrated off-hook and transmit LEDs
- Power connector with locking plug

ENVIRONMENTAL

- Operating temperature: 0° C to 70° C (32° F to 158° F)
- Relative humidity: 5% to 95% (non-condensing)

POWER REQUIREMENTS

- Power input: 9-30VDC
- Ability to share power with attached gateway
- Y cable for power included

REGULATORY APPROVALS (Pending)

- FCC Part 15, Class B
- EN55022
- EN55024
- UL60950
- CSA 22.2 No. 60950
- EN60950
- VCCI V-3/99 .05
- AS/NZS 3548

DIMENSIONS

- Length: 3.9 in (9.9 cm)
- Width: 1.7 in (4.3 cm)
- Depth: 1.0 in (2.5 cm)
- Weight: 2.3 oz (65.2 g)

INTERFACES

- RJ-11 for modem connection
- Female DB-9 DCE serial for cellullar gateway connection
- Compatible with Digi products, including Digi Connect WAN, ConnectPort WAN VPN, and ConnectPort X cellular gateways
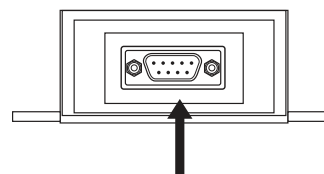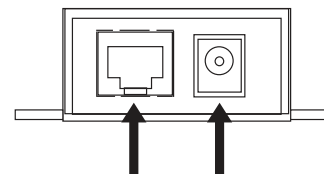
Power Y Cable

Allows Digi DialServ to share power with Digi Connect WAN or ConnectPort cellular products.

Digi DialServ - Front

DB-9F Serial

Digi DialServ - Back

RJ-11   9-30VDC Power

MODEL.....................PART NUMBERS

Model	Worldwide
Digi DialServ - RJ-11 to RS-232 Converter (Dial & Answer Mode)	DC-DTS-B100

WHEN RELIABILITY MATTERS™

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

www.digi.com

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