

Digi TransPort[®] DR

Branch-in-a-Box Enterprise Class Cellular Routers

Cellular routers with integrated DSL and Wi-Fi provide advanced routing/security for all-in-one primary and backup connectivity to remote locations and devices.



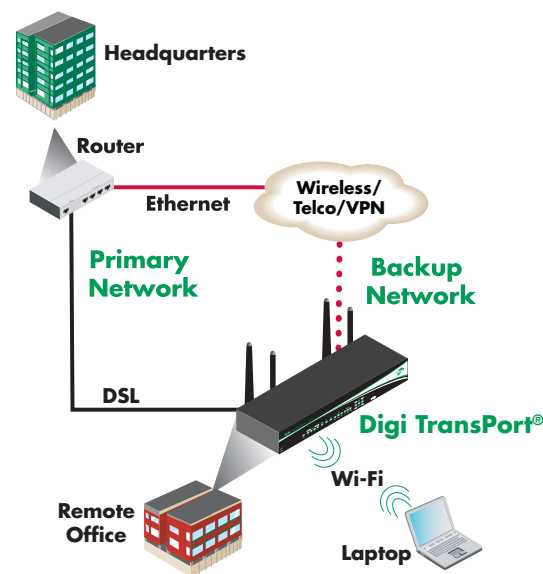
Overview

Digi TransPort DR cellular routers provide secure high speed wireless connectivity to remote sites and devices for primary or backup wireless broadband network connectivity. These multifunction cellular routers feature a flexible design with a variety of configuration options, including multiple serial ports (async or sync) or Wi-Fi modules, in addition to standard features like USB, serial and Ethernet.

The Digi TransPort DR offers true advanced routing, firewall and security features including stateful firewall inspection and VPN. Enterprise-class protocols incorporate BGP, OSPF and VRRP+, a patented technology built upon the popular VRRP failover standard providing true auto sensing, auto failure and auto recovery of any line drop.

Most notably, the Digi TransPort DR features a built-in DSL modem for primary connectivity to remote sites, with failover to cellular or optional PSTN for maximum network uptime. Integrated 802.11b/g Wi-Fi is also available.

Application Highlight



Features/Benefits

- Enterprise class cellular routers with advanced dynamic routing, security and firewall features
- High speed cellular interfaces: GSM EDGE, HSPA, HSPA+ and CDMA EV-DO
- Branch-in-a-box focus with available DSL to cellular failover
- Synchronous protocol support for legacy retail/financial devices
- Flexible interfaces including serial (async/sync), Wi-Fi and USB
- Powerful integrated end user programming

Related Products



VPN Concentrators



Digi Remote Management



Accessories



Specifications

Digi TransPort® DR

Interfaces

Serial

| | |
|---------------------|--|
| Async Port Type | 6 RJ-45 RS-422/X.21 (option); Varies by model type |
| Sync Port Type | 1 Sync/Async DB-25 RS-232, 2 Sync/Async DB-25 RS-232; Varies by model type |
| Signal Support | TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI (No DSR/RI for RJ-45) |
| Flow Control | Software (XON/XOFF), Hardware (RTS/CTS) |
| COM Port Redirector | Digi patented RealPort® |

Ethernet

| | |
|----------------|---|
| Ports | 4-port auto switch with auto MDI/MDX option |
| Specifications | IEEE 802.3 10/100 Base-T (auto-sensing) Full or Half duplex |

Cellular Interfaces

| | |
|---------------------|-----|
| GSM EDGE/HSPA/HSPA+ | Yes |
| EV-DO | Yes |
| HSPA/UMTS | Yes |

Other Interfaces

| | |
|----------------|---|
| PSTN | PSTN V.92 fast train modem RJ-11 |
| ADSL | ADSL, ADSL2, ADSL2+, ADSL2++, (quad spectrum downstream/double upstream), T1.413, TR-048, UR-2 compliant |
| Wi-Fi (Option) | 802.11b/g; WPA/WPA2, Open or shared key authentication; WEP (64 and 128 bit) encryption; WPA/WPA2 authentication (pre-shared keys) with TKIP and AES encryption |
| USB Host Port | 2 Type A connectors for expansion |

General Features

| | |
|------------------------|--|
| Status LEDs | Ethernet, Power on, Cellular link/Activity, Signal strength |
| Other | SIM removal protection (option); 2 50 ohm SMA male antenna; DIN rail and wall mounting options; Modbus TCP |
| Security/VPN | RADIUS, TACACS+, SSL, SSLv2, SSLv3, FIPS 197, L2TP, (20 tunnels included - 50 max.); IPSec with IKEv1, IKEv2, ISAKMP; DES, 3DES and AES up to 256-bit encryption; Simple Certificate Enrollment Protocol (SCEP) for X.509 certificates, Open VPN client and server, PPTP; IPSec/PPP/L2TP VPN Server support; IP pass-through; Content Filtering (via 3rd party) |
| Router/Firewall | NAT/NAT-Traversal, NAPT forwarding; IP Routing Protocols: PPP, GRE, RIP (v1 & v2), OSPF, SRI, BGP; IP Failover: VRRP, VRRP+™; VLAN support; Stateful inspection firewall with scripting; Access control lists; Modbus over UDP/TCP; DHCP; SNAIP; Dynamic DNS client compatible with BIND9/No-IP/DynDNS; Automatic failover/failback to second GSM network/Standby APN; Optional IPv6 |
| Sync/Specialty | Sync tunneling: LAPB, RAW SNA; X.25/X.28; TPAD, APACS30, X.25, X.28, PAD, X.29, X.31, X.21, XOT, Datawire VXN™, SSL |
| Management | HTTP, HTTPS, FTP, SFTP, SSL, SMTP, SNMP (v1/v2c/v3), SSH, Telnet and CLI for web management; Remote management via software tool (option); SMS management, protocol analyzer and ability to capture PCAP files for use with Wireshark |
| Local Programming | Custom scripting development platforms (Python) |
| Dimensions (L x W x H) | 5.9 in x 9.4 in x 1.4 in* (15 cm x 24 cm x 3.5 cm), *Height of DR6460/DR6420 models is 1.9 in (4.7 cm) |
| Weight | 2.0 lb (0.9 kg) |

Specifications

Digi TransPort® DR

RF Features

GSM Models

| | |
|------------|--|
| HSUPA/UMTS | Tri-band 850/1900/2100 MHz with Rx diversity |
| HSPA+ | 850/900/1900/2100 MHz with Rx diversity |
| Antenna | 2 X 50 Ω SMA (Center pin - on device: female; on antenna: male) |

CDMA Models

| | |
|-------------|--|
| EV-DO Rev A | Dualband 800/1900 MHz with Rx diversity |
| Antenna | 2 x 50 Ω SMA (Center pin - on device: female; on antenna: male) |

Power Requirements

| | |
|-------------------|---|
| Power Input | 12 VDC |
| Power Supply | Supplied with universal 100-240 VAC 50/60 Hz plug-top mains adaptor |
| Power Consumption | Typical: 6.0W, Max: 10.0W |

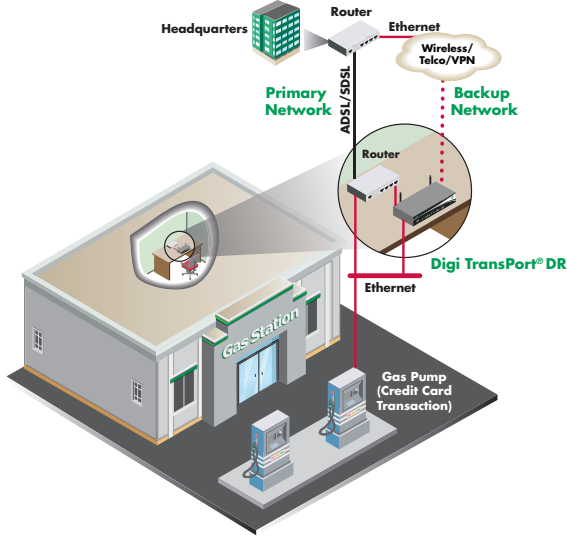
Environmental

| | |
|------------------------------|--|
| Operating Temperature | -20° C to +55° C -25° C to +70° C with reduced cellular performance |
| Relative Humidity | 20% to 95% (non-condensing) |
| Ethernet Isolation | 1.5 kV |
| Serial Port Protection (ESD) | 15 kV |

Approvals

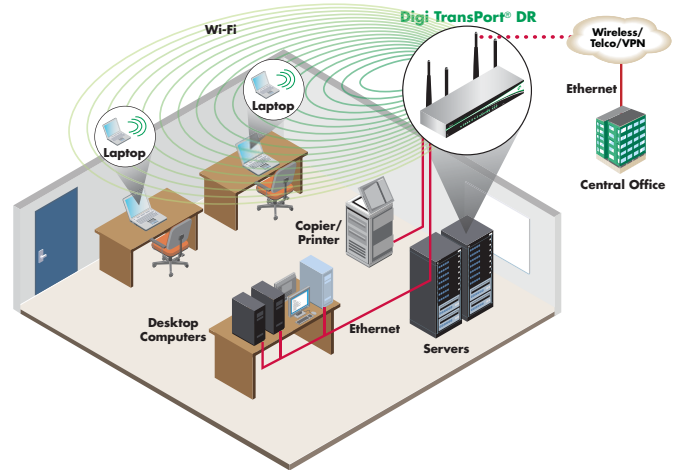
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| Mobile Certifications - GSM/UMTS | PTCRB, NAPRD.03, GCF-CC, R&TTE, EN 301 511 |
| Mobile Certifications - CDMA/EV-DO | CDG TIA/EIA-690, CDG TIA/EIA-98-E |
| Wireless Carrier Certifications | Certified by most major carriers. See www.digi.com for current listing. |
| Safety | UL 60950, CSA 22.2 No. 60950, EN60950 |
| Emissions/Immunity | CE, FCC Part 15 Class A (FCC identifier GGL-R1902G), AS/NZS CISPR 22, EN55024, EN55022 Class B |

Enterprise Class Routers



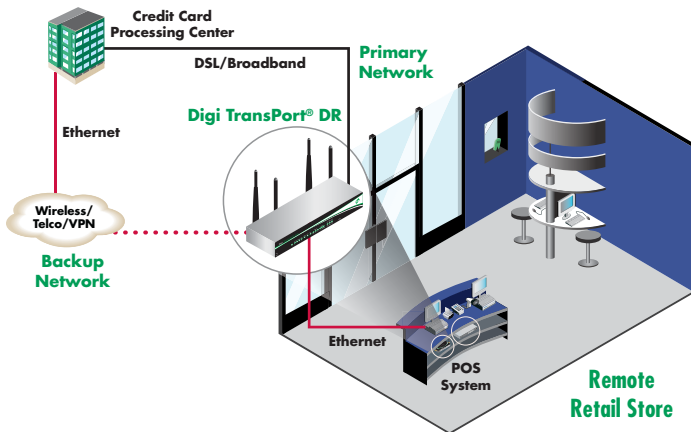
Advanced routing, security and firewall features for enterprise connectivity to remote sites and devices.

Branch-in-a-Box



Multi-purpose routers with integrated backup options provide both primary and failover routing interfaces and protocols for seamless connectivity during network outages.

Specialty Protocols

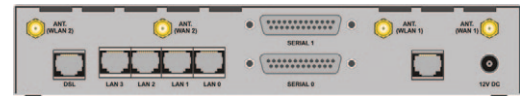


Specialized support for POS/synchronous protocols, enabling transparent integration across cellular networks.

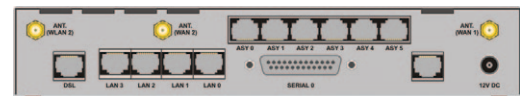
DR Models



4-Port Ethernet Switch, 1 Sync/Async Serial DB-25, Wi-Fi (optional)



4-Port Ethernet Switch, 2 Sync/Async Serial DB-25, Wi-Fi (optional)



4-Port Ethernet Switch, 6 Async Serial RJ-45, Wi-Fi (optional)

Visit www.digi.com for part numbers.

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**Digi International
Worldwide HQ**

877-912-3444
952-912-3444

**Digi International
France**

+33-1-55-61-98-98
www.digi.fr

**Digi International
Japan**

+81-3-5428-0261
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India**

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**Digi International
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info@digi.com

