



# Digi Transport DR

Data sheet



## 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. The router can be paired with the Digi TransPort VC7400 enterprise VPN concentrator for secure end-to-end connectivity for large numbers of remote devices and networks.

#### 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

#### 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)



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## Specifications

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#### 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:

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

##### Other:

PSTN	PSTN V.92 fast train modem RJ-11
ADSL	ADSL, ADSL2, ADSL2+, ADSL2++, (quad spectrum downstream/double upstream), T1.413, TR-048,
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;
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 and PPTP; IPsec/PPP/L2TP VPN Server support; IP pass-through
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™,



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#### General Features, Con't.

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 and ScriptBasic)
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)

#### 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 male antennas

##### CDMA Models

EV-DO Rev A	Dualband 800/1900 MHz with Rx diversity
Antenna	2 x 50 Ω SMA male antennas

##### Power Requirements

Power Input	12VDC
Power Supply	Supplied with universal 100-240VAC 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	15 kV

##### Approvals

Mobile Certifications GSM/UMTS	PTCRB, NAPRD.03, GCF-CC, R&TTE, EN 301 511
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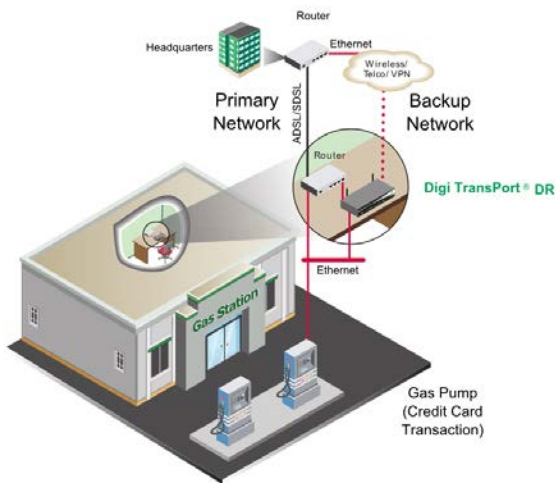
## Specifications

### Digi TransPort® DR

#### Approvals, Con't.

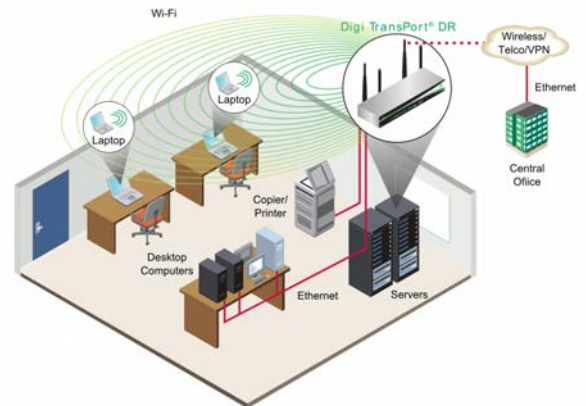
Mobile Certifications CDMA/EV-DO	CDG TIA/EIA-690, CDG TIA/EIA-98-E
Wireless Carrier Certifications	Certified by most major carriers. See <a href="http://www.digi.com">www.digi.com</a> for current listing.
Safety	UL 60950, CSA 22.2 No. 60950, EN60950
Emissions/Immunity	CE, FCC Part 15 Class A (FCC identifier GGL-R1902G), AS/NZS CISPR 22, EN55024, EN55022 Class B

#### Enterprise Class Routers



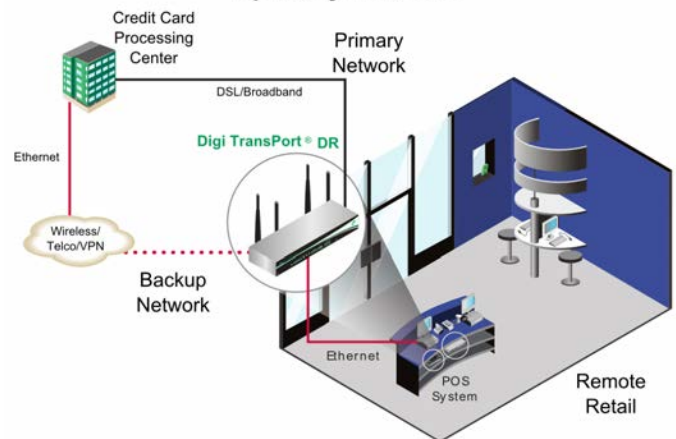
Multi-purpose routers with integrated backup options provide both primary and failover routing interfaces and protocols for seamless connectivity during network outages.

#### Branch-in-a-Box



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

#### Specialty Protocols



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