

Digi TransPort® Family

Flexible Enterprise Class Cellular Routers

Enterprise class cellular routers offer advanced routing/security and specialized support for retail and financial devices.



Overview

The Digi TransPort family of upgradeable cellular routers provides 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 configurations options, including multiple serial ports (async or sync), GPS, Wi-Fi or I/O telemetry modules, in addition to standard features like USB, serial and Ethernet.

Digi TransPort 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 802.11 b/g Wi-Fi is also available.

Related Products



Digi TransPort®
VC7400

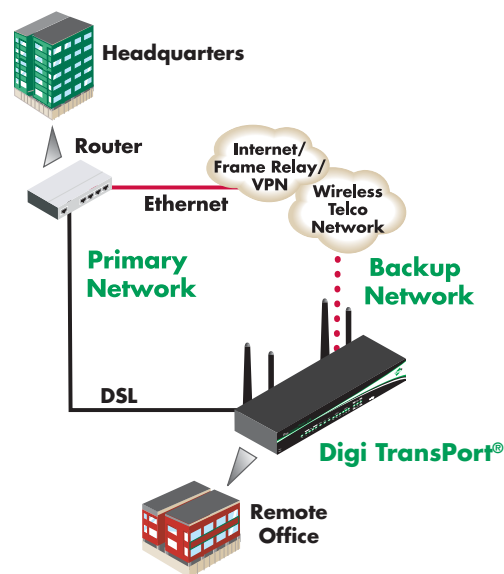


Digi Remote
Manager™



Accessories

Application Highlight



Features/Benefits

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



Features Comparison

Specifications	Digi TransPort® WR	Digi TransPort® SR	Digi TransPort® DR
Interfaces			
Serial			
Async Port Type	1 RS-232; 1 DB-25 Async RS-232 (Option); 3 RJ-45 RS-232 (Option)	(See below)	6 RJ-45 RS-422/X.21 (Option) Varies by model type
Sync Port Type	1 Sync/Async DB-25 RS-232 (Option)	2 Sync/Async DB-25 RS-232 1 Sync RS-422/X.21 (Option)	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)		
Ethernet			
Ports	1 RJ-45	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 GPRS/EDGE	Multislot class 10	Multislot class 12	N/A
EV-DO	•	•	•
HSPA/UMTS	•	•	•
Other Interfaces			
PSTN	N/A	PSTN V.92 fast train modem RJ-11	
ADSL	N/A	N/A	ADSL, ADSL2, ADSL2+, ADSL2++, (quad spectrum downstream/double upstream) T1.413, TR-048, UR-2 compliant
GPS (Option)	50 channel GPS engine (-163 dB sens.); NMEA 0183 V2.3 sentence output; 50 Ω SMA antenna connector with +3.3VDC active antenna drive; NMEA stream to local serial port or over TCP/IP; Galileo ready	N/A	N/A
Wi-Fi (Option)	N/A	N/A	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
Telemetry (Option)	I/O telemetry module (1 relay, 1 digital in, 4 digital out)	N/A	N/A
USB Host Port	1 Type A connector for expansion	2 Type A connector 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	SSL, SSHv2, FIPS 197, L2TP, (5 tunnels included - 50 max.); IPsec with IKE/ISAKMP; DES, 3DES and AES up to 256-bit encryption; Simple Certificate Enrollment Protocol (SCEP) for X.509 certificates		
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		

Specifications

Digi TransPort® WR

Digi TransPort® SR

Digi TransPort® DR

General Features - Continued

Sync	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, FTP, SMTP, SNMP(V2/V2c/V3), SSH, Telnet and CLI for web management; Remote management via software tool (option); SMS management		
Local Programming	Custom scripting development platform; Control over SMS, memory, serial ports, other local devices; Memory expansion via USB stick (up to 2 GB); 2 GB internal memory expansion	Custom scripting development platform; Control over SMS, memory, serial ports, other local devices; Memory expansion via USB stick (up to 2 GB)	
Dimensions (L x W x H)	4.7 in x 6.8 in x 1.3 in (12 cm x 17.3 cm x 3.2 cm)	5.6 in x 7.5 in x 1.8 in (14.2 cm x 19 cm x 4.5 cm)	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	1.08 lb (0.49 kg)	1.7 lb (0.8 kg)	2.0 lb (0.9 kg)

RF Features

GSM Models

GPRS	GPRS Class 10 Quadband 850/900/1800/1900 MHz	N/A	N/A
EDGE	GPRS Class 10/EDGE class 10 Quadband 850/900/1800/1900 MHz	GPRS class 12/EDGE class 12 Quadband 850/900/1800/1900 MHz	N/A
HSDPA/HSUPA/UMTS	Tri-band 850/1900/2100 MHz with Rx Diversity		
Antenna	GPRS and EDGE: 1 x 50 ohm SMA male antenna HSDPA/HSUPA/UMTS: 2 x 50 ohm SMA male antennas		

CDMA Models

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

Power Requirements

Power Input	5VDC	12VDC	
Power Supply	Supplied with universal 100-240VAC 50/60 Hz plug-top mains adaptor		
Power Consumption	Typical: 2.0W Max: 4.5W	Typical: 3.0W Max: 4.8W	Typical: 6.0W Max: 10W
Wide Range Power Option	9 to 48VDC wide range polarity insensitive PSU (suitable for -48VDC)	N/A	N/A

Environmental

Operating Temperature	-20° C to +55° C (-4° F to +131° F) -25° C to +70° C (-13° to +158° F) with reduced cellular performance		
Relative Humidity	20% to 95% (non-condensing)		
Ethernet Isolation	1.5 kV		
Serial Port Protection (ESD)	15 kV		

Approvals

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.

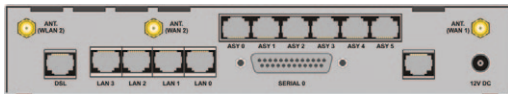
DR Models



DR64-H1A1-WE2-SU: 4-Port Ethernet Switch, 1 Sync/Async Serial DB-25, Wi-Fi (optional)

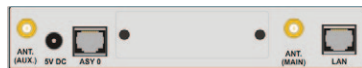


DR64-H1A2-WE2-SU: 4-Port Ethernet Switch, 2 Sync/Async Serial DB-25, Wi-Fi (optional)



DR64-H1A6-WE2-SU: 4-Port Ethernet Switch, 6 Async Serial RJ-45, Wi-Fi (optional)

WR Models



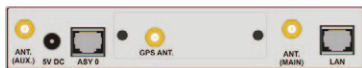
WR41-H100-DA1-SU: 1 Ethernet, 1 RJ-45 Async Serial



WR41-H1S1-DA1-SU: 1 Ethernet, 1 DB-25 Sync/Async, 1 RJ-45 Async



WR41-H1A3-DA1-SU: 1 Ethernet, 4 RJ-45 Async Serial



WR41-H1G1-DA1-SU: 1 Ethernet, 1 RJ-45 Async Serial, GPS



WR41-H1T1-DA1-SU: 1 Ethernet, 1 RJ-45 Async Serial, Telemetry (1 Relay, 1 Digital In, 4 Digital Out)

SR Models



SR44-H100-DE1-SU: 4-Port Ethernet Switch, 1 Sync/Async DB-25 RS-232, 1 Sync RS-422/X.21



SR44-H1P1-DE1-SU: 4-Port Ethernet Switch, 1 Sync/Async DB-25 RS-232, 1 Sync RS-422/X.21, PSTN

Visit www.digi.com for part numbers.

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