TransPort Training Program

TT001 – TransPort Family

Product Overview

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www.digi.com

Digi Transport WR Family

WR 44

WR 44 R

WR 44 RR

WR 11

WR 21

WR 41

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Digi TransPort WR11 Product Overview

Problem Solved

- IP connection to a single device over 3G (4G LTE Summer 2014)

Product

- EVDO and HSPA+ (4G LTE Summer 2014)
- Single Ethernet, dual SIM
- Dual SIM for network agility
- Temp 0° to 40° C, power 5VDC

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Digi TransPort WR21 Product Overview

Problem Solved

- IP connection to multiple devices for primary or failover
- Serial connection to legacy devices

Product

- 4G LTE, EVDO, and HSPA+
- Single or dual Ethernet ports
- RS-232/485 serial
- USB
- Dual SIM for network agility
- Temp -35° to 75° C,
  Power 9-30VDC

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Digi TransPort WR44 Product Overview

Problem Solved

- IP connection for up to 4 Ethernet devices
- Backup to a DSL connection
- Wi-Fi hotspot

Product

- 4G LTE, EVDO, HSPA+
- Up to 4 Ethernet ports
- Support for VSDSL and ADSL
- Wi-Fi access point
- Rugged variants for harsh environments

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WR44 + DSL
Product Overview

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Digi TransPort WR44RR Product Overview

Problem Solved

- Shock and high vibration environments
- 4 Ethernet ports with M12 connectors
- Wi-Fi hotspot

Product

- 3G/4G LTE, EVDO, HSPA+
- Integrated 802.11 b/g/n Wi-Fi
- GPS
- Heavy-duty enclosure and connectors designed for shock and high vibration
- Rugged, all-in-one cellular routers designed for rugged on-board train environments
- IP54 rated

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Digi TransPort VC7400 Product Overview

Problem Solved

- Reliable, high capacity VPN
- Approved for use in PCI networks for connection to remote POS devices

Product

- Up to 2,000 VPN tunnels
- 1 x GbE, 4 x 10/100Mbps

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Transport Family Overview

Digi TransPort®	WR11	WR21	WR41	WR44	WR44 R	WR44 RR
Feature						
Cellular	2.5G/3G/4G	2.5G/3G/4G	2G/3G/4G	2G/3G/4G	2G/3G/4G	2G/3G/4G
Ethernet	1	1 or 2	1	4	4	4
Wi-Fi			•	•	•	•
Serial		1	1	1, 2 or 4	1, 2 or 4	1
Dual SIM	•	•	•	•	•	•
Special Interfaces			PSTN, I/O	PSTN, I/O	PSTN, I/O	I/O
Extended Temp		•	•	•	•	•
GPS Telemetry			•	•	•	•
Enclosure	Light Commercial	Commercial	Commercial	Commercial	Rugged	Rugged for On-Board Train
Device Cloud	•	•	•	•	•	•

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Which Digi TransPort Is Right for Me?

	WR44	WR41	WR21	WR11
MSRP	~€850	~€800	~€500	~€260,50
Best When You Need:	Up to 4 Ethernet ports, a DSL connection or Wi-Fi support	Wifi and / or doughter card	2 Ethernet and/or serial in a rugged metal enclosure	A low-cost cellular connection to an indoor Ethernet device
Target Applications	Public transit, branch and remote office networking, outdoor kiosk and terminal connectivity	Wireless primary and backup connections , branch and remote device monitoring.	Wireless primary and backup connections to retail locations, gaming, signage and kiosk connectivity	Lottery, POS terminal, signage, vending and kiosk connectivity
Foundational Product Line Values	• Reliability: 5-year warranty • Security: Stateful firewall, integrated VPN, enterprise authentication and encryption • Resiliency: Advanced routing protocols for network failover, Digi SureLink™ to monitor and re-establish cellular connection			

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Digi Transport WR Family Daughter Card Options

Sync/Async Serial Port (S1)	1 x DB-25	X.21/RS-422/RS-232 synchronous/ asynchronous serial port
Async Serial Ports (A3)	3 x RJ-45	3x asynchronous serial ports
PSTN (P1)	1 x RJ-45	PSTN interface that can be used to dial out and receive calls. A PPP session is created over which IP traffic can be sent and received.
DialServ (P3)	1 x RJ-11 (FXS)	Dial tone simulator to emulate local telco.
ISDN (I1)	1 x RJ-45	ISDN Basic Rate Interface (BRI) which can be configured either as a TE (terminal endpoint) or as NT-1 (network termination). The option also includes an additional asynchronous serial port via a second RJ-45 port.
ISDN-U/PSTN (I3)	1 x RJ-11, 1 x RJ-45	ISDN-U interface suitable for the USA plus PSTN interface. Can be configured for Bell-103 modulation in leased line mode as well as a normal PSTN interface.
Telemetry 1 (T1)	1 x 14 pin terminal block	4 x Opto-isolated digital output ports and 1 x Opto-isolated digital input port. It also provides a relay I/O port, voltage monitoring port, and internal temperature monitoring. Fully programmable via Python for embedded Digi TransPort applications.
Telemetry 2 (T2)	1 x 14 pin terminal block	4 x Analog and 4 x Digital I/O ports fully programmable via Python for embedded Digi TransPort applications.
GPS (G1)	1 x SMA	Fully-integrated GPS tracking. See main specifications area for details.
Fleet (F1)	1 x 4-pin, 1 x 15-pin, 1 x SMA	Flexible transportation/fleet focused applications requiring CAN bus, J1708, GPS, Non-isolated digital I/O, Ignition Sense, 3-Axis accelerometer, and power control of Digi TransPort interfaces. Fully programmable via Python for embedded Digi TransPort applications.

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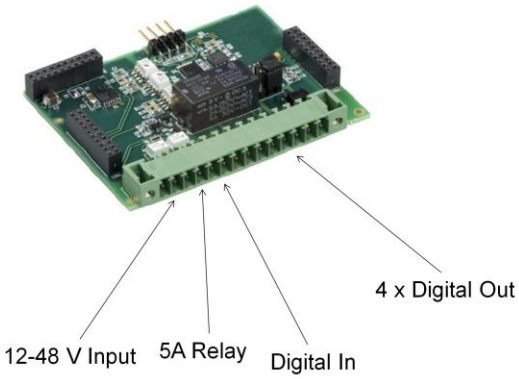
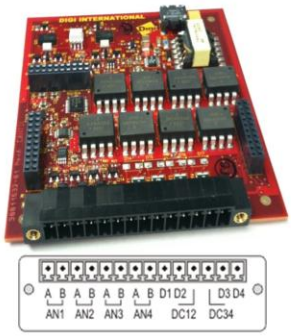
Telemetry Cards

Telemetry 1



Telemetry 2



- Four independent isolated analogue current loop I/O ports
- Four non-isolated digital TTL I/O ports
- Powered Internally or externally.

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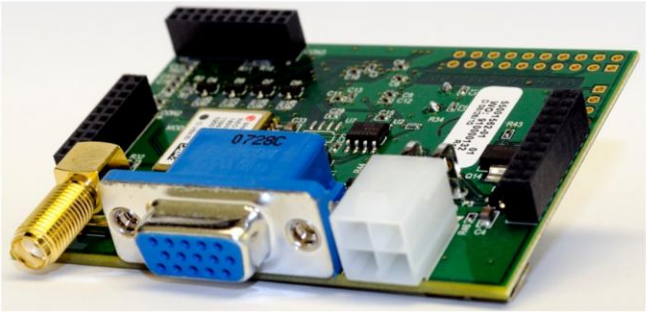
Fleet Cards

- J1939/CAN interface
- J1708 interface
- GPS
- 1 x Ignition sense input
- 4 x Digital IO (non-isolated)
- 3 axis accelerometer
- Fits the WR41 and WR44 platforms.



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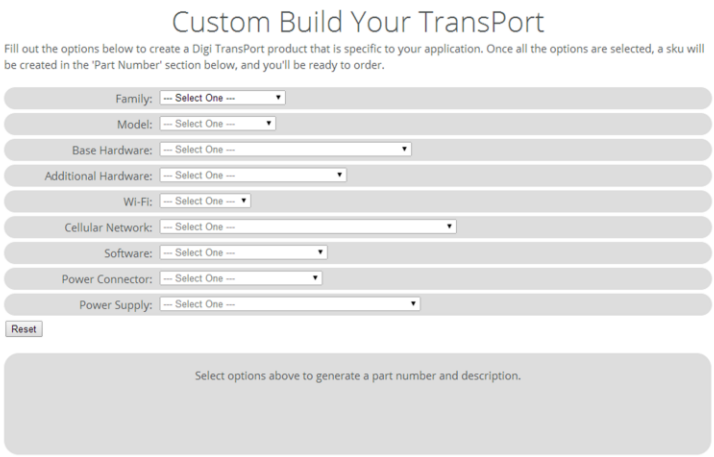
TransPort Router Configurator

- 16 part numbers are pre-defined as the most common for stocking purposes.
- The interactive part number tool can generate the part number for the application you need.
- Lead times are better if the part numbers already exists.
- When possible, work with Digi to find the closest matching part number that already exists.

http://www.digi.com/products/wireless-routers-gateways/enterprise-routers-vpn-concentrators/transportwrfamily#models



It is more efficient to order a part number that is already set up.