Digi TransPort® WR44 R is a rugged, all-in-one 4G LTE Advanced mobile communications solution with true enterprise-class routing, security and firewall. Featuring a heavy-duty cast aluminum enclosure, it offers a flexible interface design with an optional integrated Wi-Fi access point (with multi SSID), USB, serial and 4-port Ethernet switch, as well as a variety of configuration options including GPS and CAN support.

These routers are ideal for transportation and mobile applications. Flexible power options include 9-36 VDC locking barrel or automotive Molex connectors for direct integration into vehicle applications. Also ideal for mobile applications is the cellular to Wi-Fi autoswitch feature, which uses the highest speed/lowest cost WAN network available.

All Digi TransPort products offer an advanced routing, security and firewall feature set including stateful inspection firewall and integrated VPN. Enterprise class protocols incorporate BGP, OSPF and VRRP+. Advanced features allow the Digi TransPort to be used as a component of a PCI compliant network.

Digi Remote Manager® provides easy setup, configuration and maintenance of large installations of Digi TransPort and third-party devices.

**APPLICATION EXAMPLE**

**PUBLIC TRANSIT NETWORKING**

- **DIGI TRANSPORT® WR44 R**
- **3G/4G/LTE**
- **Encrypted WAN**
- **DIGI REMOTE MANAGER®**

**RELATED PRODUCTS**

- Digi TransPort® WR11 XT
- Digi TransPort® WR21
- Digi TransPort® WR44 RR
- Accessories
- Digi Remote Manager®
## WIRELESS INTERFACES

### CELLULAR*

<table>
<thead>
<tr>
<th>Region</th>
<th>LTE Advanced Cat 6:</th>
<th>3G HSPA+:</th>
<th>EDGE:</th>
<th>Transfer rate (max):</th>
<th>Approvals:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE - NORTH AMERICA/EMEA (M8)</td>
<td>700(B12,B13,B29)/800(B20,B26)/850(B5)/900(B8)/AWS(B4)/1800(B3)/1900(B2,B25)/2100(B1)/2300(B30)/2500(B41)/2600(B7)</td>
<td>850/900/AWS/1800/1900/2100 MHz</td>
<td>900/1800 MHz</td>
<td>300 Mbps down, 50 Mbps up</td>
<td>PTCRB, AT&amp;T, Verizon, Vodafone (pending)</td>
</tr>
<tr>
<td>LTE - EMEA/APAC (M7)</td>
<td>800(B20)/900(B8)/1800(B3)/2100(B1)/2600(B7)</td>
<td>900/2100 MHz</td>
<td>900/1800 MHz</td>
<td>150 Mbps down, 50 Mbps up</td>
<td></td>
</tr>
<tr>
<td>LTE - ANZ/LATAM (L9)</td>
<td>700(B28)/850(B5,B18,B19)/900(B8)/1500(B21)/1800(B3)/1900(B39)/2100(B1)/2600(B7,B38)/2300(B40)/2500(B41)</td>
<td>800/850/900/1700/2100 MHz</td>
<td>900/1800 MHz</td>
<td>300 Mbps down, 50 Mbps up</td>
<td></td>
</tr>
<tr>
<td>LTE - EMEA/APAC (M2)</td>
<td>450(B31)/800(B20)/1800(B3)/2600(B7)</td>
<td>900/2100 MHz</td>
<td>900/1800 MHz</td>
<td>100 Mbps down, 50 Mbps up</td>
<td></td>
</tr>
</tbody>
</table>

### CONNECTOR

- **(2) 50 Ω SMA (Center pin: female)**
- **(2) Mini-SIM (2FF)**
- **SIM slot cover plate**

### SIM SLOTS

- **(2) Mini-SIM (2FF)**

### SIM SECURITY

- **SIM slot cover plate**

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## CONNECTOR

- **(2) 50 Ω SMA (Center pin: male)**

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## GPS**

- **(2) 50 Ω RP-SMA (center pin: male)**

### CHANNELS

- **50**

### SENSITIVITY

- **-163 dB**

### PROTOCOL

- **NMEA 0183 V2.3 sentence output; +3.3 VDC active antenna drive; NMEA stream to local serial port or over TCP/IP**

### NAVIGATION

- **Galileo ready**

### AUGMENTATION

- **SBAS**

### COLD START

- **< 27 seconds TTFF (90%)**

### VELOCITY ACCURACY

- **0.1m/s**

### ADDITIONAL FEATURES

- **Send GPS via UDP/IP, TCP/IP (up to two destinations) or serial; customize and/or send data using Python; GPS status query;**

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## WIRED INTERFACES

### SERIAL

- **(1) DB-9; DCE**

### STANDARD

- **RS-232**

### SIGNAL SUPPORT

- **TXD, RXD, RTS, CTS, DTR, DCD, DSR, RI**

### FLOW CONTROL

- **Software (XON/XOFF), hardware supported**

### ETHERNET

- **(4) RJ-45; 10/100 Mbps (auto-sensing)**

### USB

- **(1) USB 2.0 Type A**

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* Transfer rates are network operator dependent.
** Optional hardware.
**SPECIFICATIONS**

**DIGI.COM**

### Digi TransPort® WR44 R

**SOFTWARE**

**REMOTE MANAGEMENT**
- Digi Remote Manager® (cloud based); SNMP v1/v2c/v3 (user installed/managed)

**LOCAL MANAGEMENT**
- Web interface (HTTP/HTTPS); CLI (Telnet, SSH, SMS, serial port)

**MANAGEMENT/TROUBLESHOOTING TOOLS**
- FTP, SFTP, SCP, protocol analyzer with PCAP for Wireshark, event logging with Syslog and SMTP, NTP/SNTP

**MEMORY**
- 128 MB NAND Flash/64 MB DDR2 SDRAM

**POWER**

**INPUT**
- 9 – 36 VDC

**CONSUMPTION**
- 15 W max, 8.5 W typical

**CONNECTOR**
- Locking barrel and 4-pin terminal block (2 pins are used for power; the other 2 pins are used for I/O)

**PHYSICAL**

**DIMENSIONS (L X W X H)**
- 140 mm x 254 mm x 48 mm (5.5 in x 10 in x 1.9 in)

**WEIGHT**
- 1.1 kg (2.4 lbs)

**STATUS LEDS**
- Power, LAN, Wi-Fi, serial, WWAN (link, act, SIM), signal strength

**MATERIAL/RATING**
- Aluminum alloy / IP30

**MOUNTING**
- (4) mounting slots on the unit’s flange

**ENVIRONMENTAL**

**OPERATING TEMPERATURE**
- Non-Wi-Fi variants: -40° C to 70° C (-40° F to 158° F); single-Wi-Fi variants: -4° F to 158° F (-20°C to +60°C (-4° F to 122° F); dual-Wi-Fi variants: -20°C to +60°C (-4° F to 140° F)

**STORAGE TEMPERATURE**
- -40° C to 85° C (-40° F to 185° F)

**RELATIVE HUMIDITY**
- 0% to 95% (non-condensing) @ 25° C (77° F)

**ETHERNET ISOLATION**
- 1.5 kV RMS

**SERIAL PORT PROTECTION (ESD)**
- 15 kV

**APPROVALS**

**CELLULAR**
- PTCRB, NAPRD.03, GCF-CC, R&TTE, EN 301 511

**CDMA/EV-DO**
- CDG TIA/EIA-690, CDG TIA/EIA-98-E

**SAFETY**
- UL 60950, CSA 22.2 No. 60950, EN60950

**EMISSIONS/IMMUNITY**
- CE, FCC Part 15 Class B, AS/NZS CISPR 22, EN55024, EN55022 Class B

**INDUSTRY**
- Vehicle Usage: E-Mark (Regulation 10.05)
- EN 300 019-2-5 (specification for environmental tests for ground vehicle installations - covers temperature, humidity, vibration and shock)

**WARRANTY**

**PRODUCT WARRANTY**
- 3-year product warranty + Digi Foundations***

***Digi Foundations can extend the standard three-year warranty to a Limited Lifetime Warranty that provides replacement with a new or similar Digi product for a period of five years from the date of purchase. After five years from the purchase date, the warranty value will revert to a 40 percent credit towards the MSRP of an equivalent product from Digi.

**ENTERPRISE SOFTWARE**

**DESCRIPTION**

**PROTOCOLS**
- HTTP, HTTPS, FTP, SFTP, SSL, SMTP, SNMP (v1/v2c/v3), SSH, Telnet and CLI for web management;
- Remote management via Digi Remote Manager; SMS management, protocol analyzer, ability to capture PCAP for use with Wireshark;
- DynDNS; Dynamic DNS client compatible with BIND9/No-IP/DynDNS

**SECURITY/VPN**
- Stateful inspection firewall with scripting, address and port translation; VPN: IPSec with IKEv1, IKEv2, NAT Traversal; SSL, SSLv2, FIPS 197, open VPN client and server; PPTP, L2TP; (5) VPN tunnels (upgradable to a maximum of 200); Cryptology: SHA-1, MD5, RSA; Encryption: DES, 3DES and AES up to 256-bit; Authentication: RADIUS, TACACS+, SCEP for X.509 certificates; Content filtering (via 3rd party); MAC address filtering; VLAN support; Ethernet port isolation

**ROUTING/FAILOVER**
- IP pass-through; NAT, NAPT with IP port forwarding; Ethernet bridging; GRE; Multicast routing; Routing protocols: PPP, PPTPoE, RIP (v1, v2) OSPF, SRI, BGP; IGMP routing (multicast); RSTP (Rapid Spanning Tree Protocol); IP failover: VRRP, VRRP+TM; Automatic failover/failback to second GSM network/standby APN

**OTHER PROTOCOLS**
- DHCP; Dynamic DNS client compatible with BIND9/No-IP/DynDNS; QoS via TO/S/DSCP/WRED; Modbus UDP/TCP to serial; X.25 including XOT, SNA/IP, TPAD and PAD; Protocol switch; Modbus bridging for connecting diverse field assets

**PRODUCT IMAGES**

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**DIGI.COM**

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Connector</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEET (F1)</td>
<td>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.</td>
</tr>
</tbody>
</table>

**DIGI REMOTE MANAGER®**

**CAPABILITIES**
- Centralized management of remote devices over 3G/4G/LTE
- Define standard configurations and automatically monitor individual devices for PCI security compliance
- Report and alert on performance statistics, including connection history, signal quality, latency, data usage and packet loss
- No servers or applications to operate and maintain
- Complete tasks for your entire device network in minutes
- Edit configurations and update firmware for your individual devices or groups
- Monitor the status and location of your remote device via a web browser
- Active or deactivate cellular lines and monitor data to ensure you never incur overage charges

**SECURITY**
- Certified SSAE-16 facilities
- Over 175 security controls in place to protect your data
- Enables compliance with security frameworks like PCI, HIPAA, NIST and more
- Earned SkyHigh’s Cloud Trust Program highest ranking of Enterprise-Ready

**INFRASTRUCTURE**
- Hosted in a commercial-grade SAS 70-certified environment
- Superior availability, operating to 99.9% or greater
- Open APIs available to support application development

**DIGI FOUNDATIONS™**

**IT’S TIME TO CONNECT WITH CONFIDENCE**

The convenient, comprehensive and secure way to integrate IoT communications hardware, device management software, global support and lifetime warranty protection into a connectivity solution to simplify your IoT network growth.

- **Digi Remote Manager®** (DRM) gives you a single point of contact, command and control with sophisticated remote device monitoring and management tools.
- **Digi Expert Support** is available around the clock, seven days a week, around the world with experts ready to provide technical support by phone, email or online.
- **Digi Limited Lifetime Warranty** lowers the total cost of ownership with hardware protection and equipment upgrades to expand your network as needs evolve.

Digi Foundations, with DRM, simplifies network and device management – for hundreds or hundreds-of-thousands of Digi or third-party devices – with options to upgrade as technology evolves. Isn’t it time you got better connected?

For more information visit: [digi.com/foundations](http://digi.com/foundations)
<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>DIGI TRANSPORT WR44 R</th>
</tr>
</thead>
<tbody>
<tr>
<td>WR44-M800-AE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE North America/EMEA, 4 Ethernet, Wi-Fi, RS-232</td>
</tr>
<tr>
<td>WR44-M8F1-AE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE North America/EMEA, 4 Ethernet, Wi-Fi, RS-232, GNSS, CAN</td>
</tr>
<tr>
<td>WR44-L900-AE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE APAC/LATAM, 4 Ethernet, Wi-Fi, RS-232</td>
</tr>
<tr>
<td>WR44-L9F1-AE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE APAC/LATAM, 4 Ethernet, Wi-Fi, RS-232, GNSS, CAN</td>
</tr>
<tr>
<td>WR44-M2F1-NE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE EMEA/APAC (450 MHz), 4 Ethernet, Wi-Fi, RS-232, GNSS, CAN</td>
</tr>
<tr>
<td>WR44-M700-CE1-RF</td>
<td>Digi TransPort WR44 R - 4G LTE EMEA/APAC, 4 Ethernet, RS-232</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>76000982</td>
<td>Accessory kit - Digi TransPort WR44 R</td>
</tr>
<tr>
<td>76002060</td>
<td>Accessory kit - AC power, std temperature, int'l plugs</td>
</tr>
<tr>
<td>76000945</td>
<td>Antenna - WiFi, table-top mount, 2450/5800 Mhz</td>
</tr>
<tr>
<td>76000960</td>
<td>Antenna - cellular, 450 MHz</td>
</tr>
<tr>
<td>76000926</td>
<td>Antenna - cellular, 3G/4G/LTE</td>
</tr>
<tr>
<td>76000842</td>
<td>Antenna, active GPS, 1575 MHz</td>
</tr>
<tr>
<td>76000954</td>
<td>Antenna base – SMA, 1 m, RG174</td>
</tr>
<tr>
<td>76000808</td>
<td>DC power cord - 4-pin connector to bare wire, 4 m</td>
</tr>
<tr>
<td>76000816</td>
<td>AC power supply - 18 VDC, extended temp. NEMA 5-15P (US) to 4-pin connector.</td>
</tr>
<tr>
<td>76000904</td>
<td>AC power supply - 18 VDC, extended temp. NEMA 5-15P (EU) to 4-pin connector</td>
</tr>
<tr>
<td>76000823</td>
<td>AC power supply - std temperature, universal plugs (US, EU, UK, AU) to 12 VDC - 2.1 mm locking barrel plug</td>
</tr>
<tr>
<td>76000826</td>
<td>Cable - Ethernet, RJ-45 to RJ-45, 2 m</td>
</tr>
</tbody>
</table>

*Sold separately, unless otherwise noted.*