



RUGGED 4G LTE GATEWAY FOR UTILITY APPLICATIONS



# UTILITY COMMUNICATION HUB

Provides a 4G LTE connection to remote serial or IP-based utility and industrial devices

The Digi Utility Communication Hub gives utilities and energy service providers a secure, reliable 4G LTE connection for Distribution Automation and Metering applications.

Each hub contains a Digi TransPort® WR21, Digi's 3G/4G LTE enterprise router, with two Ethernet ports and a software-selectable RS-485 connection, housed in an IP66 polycarbonate enclosure. Within the enclosure, a battery provides backup power and an DIN rail and auxiliary power support 3rd party devices connected to the WR21.

The Utility Communication Hub is perfect for communicating with C&I meters and meter banks, recloser and switch

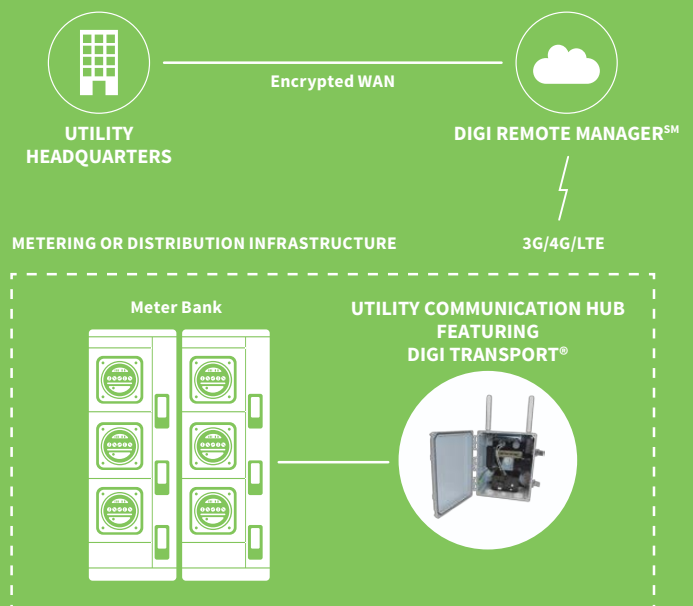
controllers, substation equipment, pressure stations, and other utility and industrial infrastructure assets.

Digi TransPort 4G LTE routers can communicate with any meter or controller with an Ethernet or serial port. Known compatibility with GE, Elster, Landis & Gyr, Schneider, Jemstar and Electro Industries meters.

## BENEFITS

- Software-defined multicarrier 4G LTE lets operators software select and change the cellular carrier
- Enterprise routing supports the encryption, logging and security features required for critical infrastructure compliance
- 2 Ethernet ports and software selectable RS-485 support a broad range of remote devices
- Rugged IP66 enclosure protects from the elements
- DIN rail and power support 3rd party equipment like dataloggers and meters
- Battery backup and 277 VAC power input support critical utility applications

## APPLICATION EXAMPLE



## RELATED PRODUCTS



Digi TransPort® WR21



ConnectPort® Gateways



Digi XLR PRO™



Accessories



Digi Remote Manager<sup>SM</sup>

SPECIFICATIONS	DIGI UTILITY COMMUNICATIONS HUB
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ENCLOSURE SPECS	
<b>ENCLOSURE</b>	12 x 10 x 6 hinged box assembly; UV-resistant high-impact polycarbonate
<b>ENVIRONMENTAL RATING</b>	IP66
<b>OUTSIDE DIMENSIONS (L X W X H)</b>	11.94 in x 9.94 in x 6.23 in (30.33 cm x 25.25 cm x 15.82 cm)
<b>WEIGHT</b>	15.25 lb (6.90 kg)

SPECIFICATIONS	DIGI TRANSPORT® WR21
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GENERAL	
<b>TARGET APPLICATION</b>	Commercial and Industrial metering, substation network connectivity or serial telemetry requiring higher security
<b>MANAGEMENT</b>	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, Ability to capture PCAP files for use with Wireshark
<b>SECURITY</b>	RADIUS, TACACS+, SSL, SSLv2, SSLv3, FIPS 197, L2TP, (5 tunnels included - 50 max on WR41, 200 max on WR44.); 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
<b>ROUTER/FIREWALL</b>	Bridging, NAT/NAT-Traversal, NAPT forwarding; PPP, PPPoE, GRE; IP Routing Protocols: PPP, GRE, RIP (v1 & v2), OSPF, SRI, BGP; IP Failover: VRRP, VRRP+™; VLAN support; STP (Spanning Tree Protocol); Stateful inspection firewall with scripting; Modbus over UDP/TCP; DHCP; Dynamic DNS client compatible with BIND9/No-IP/DynDNS; Automatic failover/failback to second GSM network/Standby APN, Optional IPv6
INTERFACES	
<b>SERIAL</b>	1 DB-9F RS-232/422/485
<b>ETHERNET</b>	2 Ethernet ports
<b>BATTERY</b>	SLA 1.5 Ah battery included, 20 minute runtime
<b>POWER INPUT</b>	105-277 VAC
<b>INTERNAL MOUNTING OPTIONS</b>	DIN rail with supplied power 24 VDC @ 350 mA (max), 6.25 in x 4.50 in (158.75 mm x 114.3 mm)
<b>ANTENNA TYPES</b>	Cellular
ENVIRONMENTAL	
<b>OPERATING TEMPERATURE</b>	-20° C to +55° C; -25° C to +70° C with reduced cellular performance Wi-Fi models: -5° C to +55° C; -10° C to +70° C with reduced performance

PART NUMBERS	DESCRIPTION
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<b>70002529</b>	Digi TransPort WR21 - Utility Communication Hub
<b>70002530</b>	Digi TransPort WR21 - Utility Communication Hub (International)

**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit [www.digi.com/support](http://www.digi.com/support).

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