



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

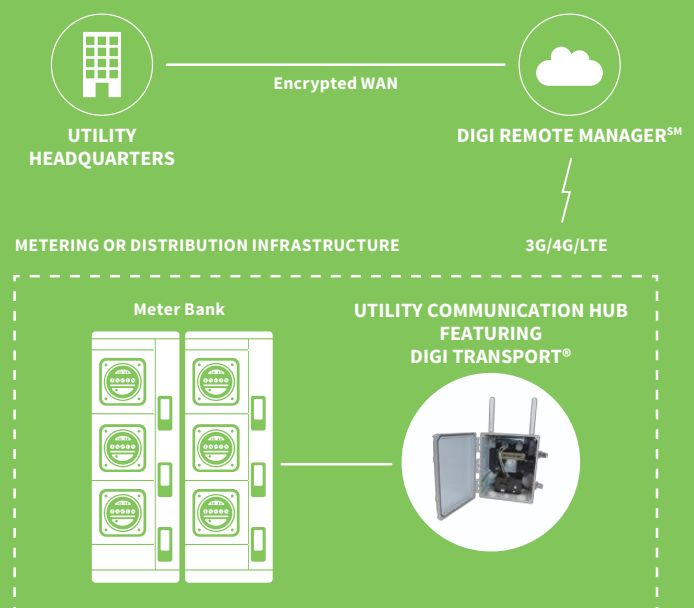
controllers, substation equipment, pressure stations, and other utility and industrial infrastructure assets.

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 Shark 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
ManagerSM

SPECIFICATIONS		DIGI UTILITY COMMUNICATIONS HUB	
ENCLOSURE SPECS			
ENCLOSURE	12 x 10 x 6 hinged box assembly; UV-resistant high-impact polycarbonate		
ENVIRONMENTAL RATING	IP66		
OUTSIDE DIMENSIONS (L X W X H)	11.94 in x 9.94 in x 6.23 in (30.33 cm x 25.25 cm x 15.82 cm)		
WEIGHT	15.25 lb (6.90 kg)		
SPECIFICATIONS		DIGI TRANSPORT® WR21	
GENERAL			
TARGET APPLICATION	Commercial and Industrial metering, substation network connectivity or serial telemetry requiring higher security		
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, Ability to capture PCAP files for use with Wireshark		
SECURITY	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		
ROUTER/FIREWALL	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			
SERIAL	1 DB-9F RS-232/422/485		
ETHERNET	2 Ethernet ports		
BATTERY	SLA 1.5 Ah battery included, 20 minute runtime		
POWER INPUT	105-277 VAC		
INTERNAL MOUNTING OPTIONS	DIN rail with supplied power 24 VDC @ 350 mA (max), 6.25 in x 4.50 in (158.75 mm x 114.3 mm)		
ANTENNA TYPES	Cellular		
ENVIRONMENTAL			
OPERATING TEMPERATURE	-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
70002529	Digi TransPort WR21 - Utility Communication Hub
70002530	Digi TransPort WR21 - Utility Communication Hub (International)

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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