



Rugged Substation Connectivity

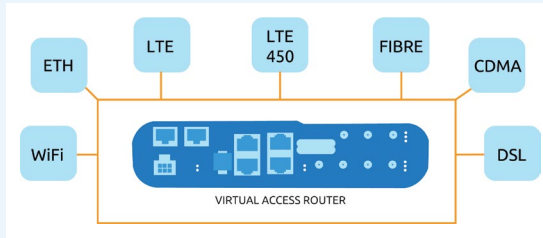
Providing resilient and secure connectivity for tens of thousands of substations worldwide.
Call us anytime to discuss our experience in Distribution System Operators (DSOs) worldwide.

Unit 15, Trinity Enterprise Centre,
Pearse Street, Dublin 2,
D02 AD79
Ireland
Tel: +353 1 604 1800

Scan to read more about Rugged Substation Connectivity: <http://virtualaccess.com/industrial-routers/>



MULTIPATH CONNECTIVITY



- ✓ Improves network availability
- ✓ Dual APN
- ✓ Dual SIM
- ✓ Dual radio
- ✓ Fibre & DSL
- ✓ IPv4 to IPv6

GW1000M

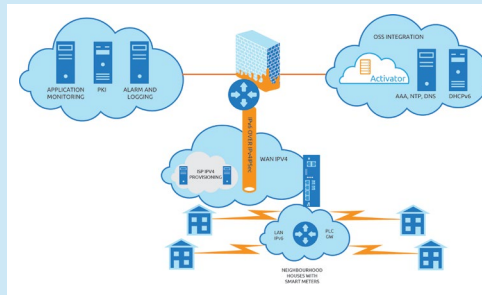
- Compact, isolated DC
- 2.4GHz WiFi
- Dual Ethernet
- Dual SIM
- Rugged aluminium enclosure

Suitable for applications such as public lighting, charging points and Smart Grid, where space is at a premium.



ADVANCED SECURITY

- ✓ Substation PKI support: X.509, manage CAs, DMVPN & IKEv2, IPv6, SCADA firewall & VPN
- ✓ Active: Active, Active: Passive redundancy
- ✓ Secure Telco Grade Management scalable to tens of thousands of sites
- ✓ Data Chunk & Job Queue



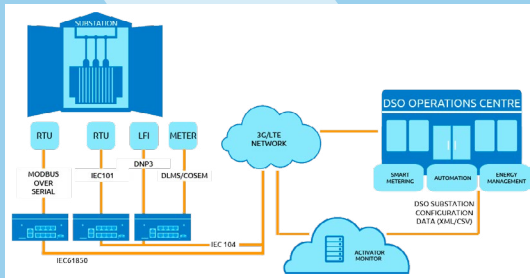
GW2024P



- Substation hardened
- High isolation
- Dual SIM
- 2/8 Ethernet
- RS232/RS485
- DI option
- PVC case

Often used in pole-mounted or other highly demanding substation environments. SCADA protocol gateway. Two second last GASP power. Galvanic isolation on all interfaces when the external DIN rail transformer is used. LEDs oriented outwards when connectors are downwards.

MINI RTU



- ✓ RTU & router functionality in one device
- ✓ Integrated SCADA Protocol Gateway
- ✓ IEC60870-5-101, IEC60870-5-104, IEC61850, Modbus RTU/TCP, DNP3, RS232, RS485, digital inputs, digital outputs, Sync serial, Dial
- ✓ Can be controlled directly from SCADA master

GW2028

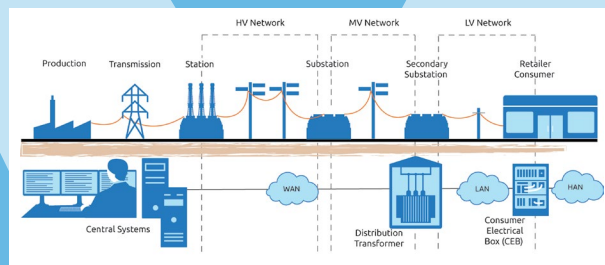
- Dual fibre
- 3G/4G
- Four Ethernet
- RS232/RS485
- 2 DI
- DO
- Power on bottom

DIN rail mounted metal case substation router with isolation. Mini RTU function means 2 digital inputs & a digital output can be directly connected to a SCADA master saving the cost of an external RTU. This is attractive for lower density remote substations.



UTILITY HARDENED

- ✓ Extremes of weather
- ✓ Electrical surges
- ✓ Vibration & shocks
- ✓ IP-rated & outdoor enclosure
- ✓ Ease of maintenance
- ✓ Last GASP & battery



GW7300



- Substation hardened
- IP33, DSL, LTE, 8 Ethernet
- RS232/RS485
- Dual AC & DC
- IP65 AC

IP33 with DSL, LTE, 8 Ethernet and serial with integrated AC PSU & DC options, including isolation. Substation hardened router suitable for fixed line with wireless backup. For ease of maintenance & maximum IP rating, LEDs orientated outwards when connectors are downwards.