



Managed Hybrid Connectivity Services

Simplifying Critical National Infrastructure
Communications with Arqiva Hybrid Connectivity

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The right connectivity from one integrated partner

Connectivity is critical for today's utility sector operations. But managing multiple providers, ensuring uptime and resilience, and protecting against cyberattack consumes resource and increases cost.

With the withdrawal of BT/openreach PSTN (Public Switched Telephone Network) infrastructure impacting millions of existing connections, it's time for a different approach.

Hybrid Connectivity from Arqiva radically rethinks the communications environment - delivering a streamlined and fully-managed solution where and when it is needed.

As a UK Critical National Infrastructure Service Provider ourselves, we understand the importance of secure data and content delivery. We provide the capability, scale and ISO27001-rated cyber secure certification to deliver always-on assurance in even the most challenging connectivity environments.

Delivery without complexity.



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Arqiva Hybrid Connectivity eliminates day-to-day management pain and strategic uncertainty – managing your connectivity networks so you don't have to.



Rethinking connectivity for tomorrow

Why Hybrid Connectivity?

The utilities sector is facing growing complexity in their business, which is dramatically increasing communications needs – in terms of managing complexity, building resilience and sustainability. Utilities need greater visibility, efficiency and control of both existing and new assets.

Industry examples:

Electricity

Evolution to fully connected smart grids is key. Operating smart, flexible and cost effective energy networks is vital toward achieving decarbonisation.

Gas

Balancing regulatory cost reduction and efficiency requirements with the need to explore alternative fuels and realise the value of current assets can be challenging without the right insights and connectivity.

Water

The widespread deployment of a wide range of sensors and monitoring devices is now offering new insight opportunities to address a range of issues from customer and supply-side leakage to dangerously high sewer levels.

Today's multiple technologies, providers and contracts have become operationally and financially unsustainable. It's time to challenge the status quo, to consolidate and cut costs, and deliver the right technology at the right time for the right situation – without the complexity. It's time for managed Hybrid Connectivity from Arqiva.



Flexibility and security as standard

Offering a comprehensive answer to the question of future-proofing utility communications networks, our fully managed, cyber secure solutions bring together multiple connectivity technologies into a single, cohesive service that includes:

Hybrid flexibility. Communications technologies and connectivity options (satellite and cellular) to meet coverage and capacity needs.

Cyber secure. Security and resilience as standard with cyber security compliance (ISO27001).

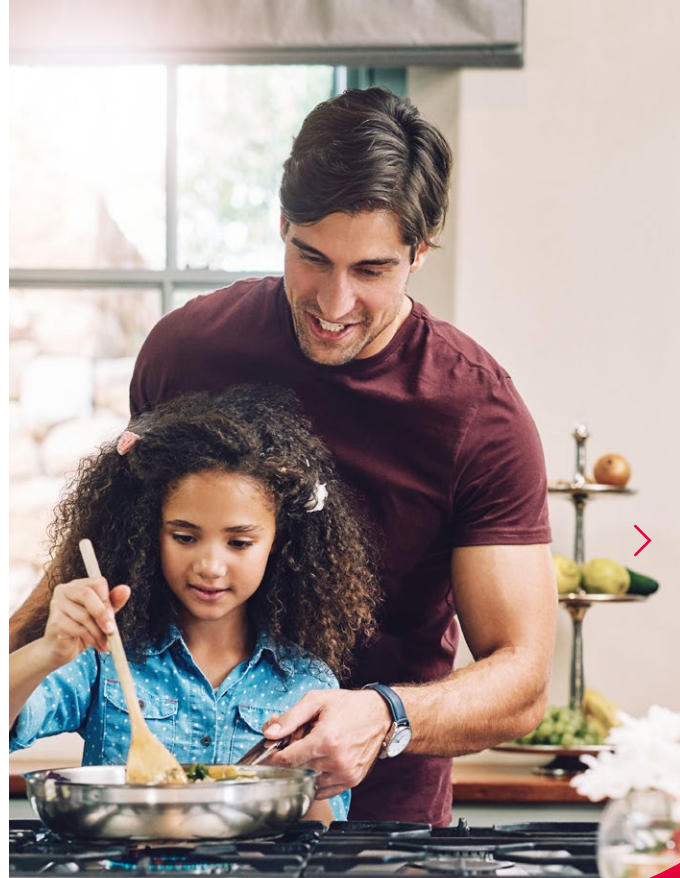
Resilient capability. Primary and failover endpoint connectivity options for always-on availability to SCADA and command and control systems .

Network as a service. OPEX-based consumption model for greater financial flexibility and control.

Scalable solutions. Budget spend efficiency – only pay for the connectivity you need as you need it.

Fully managed. Monitoring, provisioning and 24x7 management of endpoints and gateways.

Onboarding support. Knowledge base, training and installation guidance.



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Key Features

Multi provider cellular network capability for **robust primary communication**

Inmarsat BGAN satellite network:
Fast switched automated fail over to always on high performance network

National coverage: UK-wide coverage from 2 dedicated satellites

Easy to install: terminals are plug and play, getting you on line within minutes

DC input range: 10.5-32VDC

Power consumption
Standby / transmit: 2.8W / 19W *typical

Built in battery: lithium ion (rechargeable)

Solutions summary

Product overview

The Explorer 540 dual mode satellite and cellular terminal delivers always on connectivity. It is ultra-portable, lightweight and easy to use for field communication. Durable magnesium casing and a dust and water-resistant design make it reliable in the most challenging of locations.

Environmental

- Operational (ambient): -40 to +55°C
- Water and dust: IP66 Compliant

Interfaces

- 1 x Cellular SIM-Card Slot
- 1 x BGAN SIM-Card slot
- 1 x RJ45 Ethernet interface with PoE
- 1 x 8 pin Ethernet interface
- 1 x 3 pin for I/O
- 1 x 2 pin for DC power input
- 2x External cellular antenna interfaces

Specifications

Dimensions: H202 / W202 / D51.8 mm
Weight: 1.8kg
Standard IP: Up to 464 kbps



It's time for simple

Cut through the complexity and enjoy seamless and secure SCADA systems connectivity to your data centre or control room with Hybrid Connectivity from a single, trusted UK Critical National Infrastructure partner.



Book a meeting with our Hybrid Connectivity specialists at enquiries@arqiva.com or visit the utilities web page at www.arqiva.com/utilities

Arqiva is at the heart of the utilities and broadcast sectors in the UK and abroad, providing critical data, network and communications services.

We work in partnership with our customers – major utilities and broadcasters like Thames Water, Anglian Water, BBC, ITV, Sky, Global and Bauer – to meet everyone's demand for information, content and entertainment and enabling a switched-on world to flow.

We are the only supplier of national terrestrial television and radio broadcasting services in the UK, consistently delivering digital TV, analogue and digital radio to people in all four corners of the country.

We distribute over 1,000 channels internationally using our fibre and satellite infrastructure. Our advanced, secure and dedicated networks are also supporting the management of critical data for a range of smart metering networks in the energy and water sectors.

For more information, news and insights from Arqiva, please visit the website at: www.arqiva.com

The Arqiva logo, featuring the word "arqiva" in a lowercase, sans-serif font. The letter "q" has a distinctive shape with a small loop at the bottom. The logo is positioned in the bottom right corner of the slide.

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