



Networkology

REACH-4 Service Hardware

4G Wi-Fi enabled hardware

Secure, industry-leading networking over 4G delivers the highest possible wireless performance. Networkology's easy-to-deploy and easy-to-manage solutions harness the power and simplicity of the cloud with a wide range of options and customisable configurations ensure an optimal fit for any organization



The wireless nature of Networkology's technology allows for our service to be deployed anywhere, anytime – signal allowing. Thereby minimising the deployment of a new site whether it be an emergency deploy, temporary ('Pop Up'), permanent or even a back up to one of our other connectivity options. This is perfect for businesses that need reliable, quick and easy to deploy connectivity, all managed by a trusted provider.

Fourth Generation (4G) LTE (Long Term Evolution) typically offers average speeds of between 11 to 19 Mb/s download and 11 to 15 Mb/s upload. These figures are based on Ofcom analysis, 2014. Potential speeds can be far in excess of this figure with a theoretical maximum of 300Mb/s download and 75Mb/s upload.

Networkology supplied 4G devices all have fall back to previous generation technology (GPRS, EDGE, 3G). If a location does not have 4G the device will connect on the best available previous technology.

In these circumstances, the speeds will be lower than the average 4G speeds. Devices within the REACH-4 series are affordable, highly featured compact routers with an embedded 3G/4G modem designed for critical business and enterprise applications that require 24/7 connectivity or on demand backup

Networkology's REACH-4 devices provide instant internet connectivity. Configurable to operate with any network set-up to ensure speedy recovery in the event that you do not have access to a working fixed line service. With cloud based management tools Networkology are able to monitor connectivity, data usage and ensure that the connection is as secure as traditional fixed line services, with average speeds eclipsing that of traditional ADSL connections.

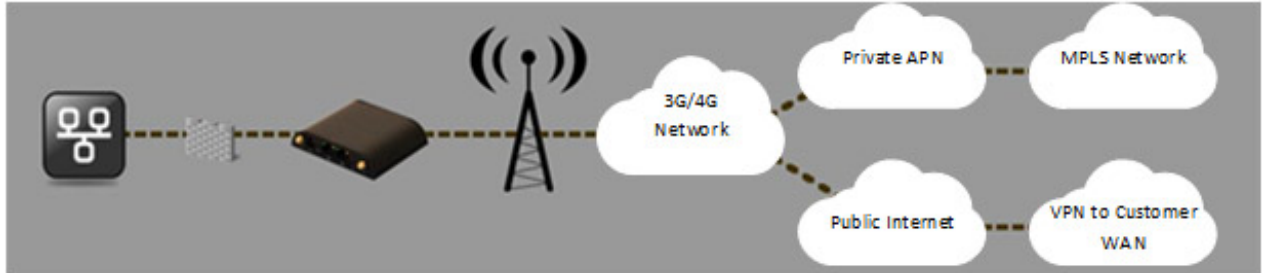
HIGHLIGHTS

- For use in 24/7 business-critical scenarios such as POS, pop ups, surveillance, backups & general access
- Some devices are ruggedised and certified for shock & vibration therefore suitable for challenging environments
- Multi network options with a choice of Single and Multi-SIM
- Supports up to 256 Wi-Fi connections at a time (64 on lower models)
- Locate your hardware using the trackable built-in GPS
- Significantly boost poor signal with the addition of high gain antennas



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NETWORK DIAGRAM



THE HEART OF YOUR NETWORK

- For use in 24/7 business-critical applications such as POS units, pop up kiosks, surveillance, backups, general internet access etc.
- Enterprise grade Wi-Fi available (b/g/n on lower models, a/b/g/n/ac on higher models)
- Several models available with 4G and/or 3G support for UK mobile networks
- Smaller models are perfect for mobile installations; certified for shock and vibration in accordance with MIL STD 810G and SAE J1455
- Robust 4G routers, rack mountable and capable of using 2 x 4G connections simultaneously
- IPsec VPN termination (tunnel, NAT-T, and transport) with GRE support and site-to-site dynamic VPN with NHRP
- Create a custom-branded hotspot with our captive portal
- Supports both wireless and wired Internet connections (two Ethernet ports for either LAN/LAN or WAN/LAN)
- Standalone active GPS support

ANTENNAS

Omni Directional: This antenna is robust and suitable for internal or external use. Comes with a 5M cable and suction pads.

Directional: This powerful pole mounted antenna, requires a survey to identify the optimum signal strength.

SECURITY

- IPsec VPN (up to 5 concurrent sessions) and GRE Tunneling option, also supports pass-through VPN connections (IPsec, L2TP, PPTP) *
- Layer 2 Tunneling Protocol (L2TP) *
- WPA2 with AES encryption for secure Wi-Fi
- 802.1Q VLAN support to isolate, segment and secure network traffic*
- SPI (stateful packet inspection) firewall and NAT (network address translation) to prevent unwanted access to connected computers
- Variety of security features (URL filtering, IP & traffic filtering, DMZ, port forwarding) for safer Internet access*
- Advanced security mode and reporting to facilitate PCIDSS compliance

*requires additional engineering to facilitate



FIND OUT MORE

To discover more about Networkology's 4G solutions, call

01249 700084 or email contact@networkology.com