Introducing High-Performance Bonded Connectivity

We partner with Peplink, a global leader in SD-WAN technology, to deliver robust bonded connectivity using 4G, 5G, and satellite networks. Peplink's advanced router and modem platforms allow us to transform multiple mobile and satellite links into a single, high-speed, highly reliable connection that performs like a dedicated Ethernet service.

At the heart of the solution is a Peplink gateway deployed at your site. It integrates 4G and 5G SIMs, terrestrial links, and our enterprise-grade Eutelsat OneWeb satellite service. These connections are intelligently bonded to create a fast, consistent data path directly to the internet.

Our partnership with Eutelsat OneWeb is a major advantage. This network offers significantly greater resilience and stability than typical consumer satellite products, and it is backed by a 24-hour live support desk. This ensures dependable performance even in remote or demanding environments where uptime is essential.

How the Solution Works

A compact Peplink appliance is installed at the customer's location. It includes dedicated slots for 4G/5G SIMs, WAN Ethernet ports for satellite or other external links, and LAN ports for on-site networking or WiFi access points.

The appliance forms a secure cloud-based VPN to our data centre, where traffic is routed out to the internet. Static IP addressing is available for customers who require consistent routing or remote access.

The system continuously monitors every link and automatically manages bonding, routing, prioritisation, and failover to maintain stable performance for applications such as Microsoft Teams, VoIP, livestreaming, and cloud workflows.

All of this is controlled through a central, easy-to-use GUI. It provides real-time visibility of link health, bandwidth usage, device status, and performance metrics, allowing the entire solution to be managed remotely with minimal technical overhead.

Key Benefits of Bonded Connectivity

Greater Bandwidth: Bonding merges multiple WAN connections into one high-capacity data stream. This supports bandwidth-intensive activities such as HD video calls, large file transfers, and cloud-based software, even in areas with weaker coverage.

Exceptional Reliability: If one network becomes unstable or fails, traffic automatically continues across the remaining links. Connectivity remains uninterrupted, which is critical for remote locations or mobile operations.

Seamless Failover: Active sessions stay online during network changes. VPNs, VoIP calls, and video conferences remain stable even when individual links fluctuate.

Optimised Performance: The system dynamically selects the most effective link at any given moment. Satellite provides coverage in rural or hard-to-reach areas, while 4G and 5G deliver high speeds in urban and suburban locations.

Reduced Latency: Intelligent packet distribution reduces perceived lag and improves responsiveness across real-time services such as voice, video, and monitoring.

Flexible and Scalable: Bonding works with connections from all major network providers. It scales easily from small temporary sites to large multi-location deployments.

Cost-Effective Resilience: By combining affordable connectivity types, organisations gain enterprise-level uptime without the expense of leased lines or fixed fibre installations.

Business Continuity Built In: Bonded connectivity protects operations from ISP outages and single-network failures. It is ideal for construction sites, emergency response units, remote teams, IoT deployments, CCTV monitoring, and any operation that must stay online 24/7.