

Point-to-Point &
Point-to-Multipoint
Wireless Broadband Networks



Radio
Microwave
Millimeter Wave
Free Space Optics
4G/LTE
WiFi



Secure
Dependable
Cost Effective
High Performance

Wireless Excellence - CableFree Product Range

Founded in 1996 and with headquarters in Oxford UK, Wireless Excellence Limited is designer and supplier of the CableFree range of outdoor and indoor Broadband Wireless communication products.

The CableFree range includes high performance, rugged & reliable Radio, Microwave, Millimeter-Wave, Free Space Optics, WiFi and 4G/LTE solutions, where customers in over 70 countries have chosen Wireless Excellence as the “one stop shop” solution of choice for dependable wireless networking.

Broadband Radio Products

CableFree Wireless Broadband Radios are ideal for both Point-to-Point and Point-to-Multipoint Networks. Powerful and feature-rich, CableFree Radios are fast and easy to implement. Available in 2.4, 5GHz and licensed frequencies up to 6.4GHz, with multiple configuration options including 2x2 MIMO and capacities up to 867Mbps.

Licensed Microwave (MW) Products

CableFree Licensed Point-to-Point Microwave Radios feature capacities up to 1Gbps and distances over 100km, are extremely rugged and feature-rich and rapid to install. Available in popular bands from 6 to 38GHz, with IP, TDM and SDH interfaces. Split-mount and full-outdoor options to suit enterprise, government and carrier needs.

Millimeter Wave (MMW) Products

CableFree Millimeter Wave (MMW) Point-to-Point radios feature capacities up to 10Gbps with distances up to 8-20km. Compact and extremely rugged, CableFree Millimeter Wave Radios are rapid to install. Available in popular 60GHz and 70GHz “E-band” with native IP interfaces, full-outdoor configuration.

Free Space Optics (FSO) Products

CableFree Free Space Optics (FSO) Point-to-Point links with capacities of 2Mbps up to 1.5Gbps and distances up to 4km. Compact and extremely rugged, CableFree FSO links are simple and rapid to install. Wide range of options with IP, TDM and SDH interfaces, full-outdoor configuration, ideal for enterprise, government and IP carriers.

WiFi & 4G/LTE Products

CableFree WiFi products are ideal for indoor and outdoor WiFi coverage in Metropolitan Area Networks using 802.11a/b/g/n/ac standards. They can be used along with 4G/LTE Networks for resilience and backhaul. Compact and extremely rugged, CableFree WiFi & 4G/LTE solutions are simple and rapid to install. Radios feature native IP interfaces, indoor & full-outdoor configurations and are ideal for government, corporate networks, public hotspot and public internet access provision.

Applications

CableFree Wireless Broadband solutions are used in a wide diversity of applications in all types of environment. Some examples include:

- Broadband Wireless Networks
- CCTV Transmission Networks
- Last-Mile Communication
- Resilience to fixed or other wireless links
- Corporate LAN extensions
- Education – School & University Campus networks
- Law Enforcement & Security Networks
- National and Regional Government networks

Global Reach

CableFree Wireless Broadband solutions are powering networks all around the globe. Our Point-to-Point and Point-to-Multipoint solutions are proven in the world's toughest and most dense environments. Powering high-speed wireless networks in more than 4,000 installations around the world, CableFree solutions help specific countries and organisations in a wide range of mission-critical applications.

Partner Programme

With installations in over 70 countries, Wireless Excellence Limited has a comprehensive partner programme to support customers all around the world. Our partners enjoy access to thorough training courses and materials, our pre-sales wireless network design service, detailed technical and post-sales support to ensure CableFree-powered wireless networks are deployed smoothly and reliably. A wide range of extended warranty and maintenance services can be arranged.

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