C5500XK High performance fiber modem

The C5500XK is a high-performance modem to support ‘always-on’ Internet service for Quantum Fiber service.

An SC/APC Fiber connector enables connection to the Quantum Fiber network. A two-port gigabit Ethernet switch supports connectivity for an external WiFi system or wired LAN devices. Optionally, the C5500XK may be deployed using the versatile WAN/LAN port for WAN connectivity, enabling the secondary port as a dedicated LAN port.

The C5500XK will be deployed to leave on-premise for current subscriber use, and re-use with subsequent home-owners or tenants.

TECHNICAL SPECIFICATIONS

- Dual-Core 1.3 GHz MIPS InterAptiv™ Processor
- 512MB DDR3 Memory, 512MB Flash
- Fiber Port — Plug in SC/APC Fiber connector for WAN connectivity
    - Single fiber bi-directional datalinks asymmetric 2.18Gbps Downstream/1.04Gbps Upstream ONU application with MAC function with FEC enabled.
- Two (2) 10/100/1000 Mbps Gigabit Ethernet ports - 1 WAN/LAN & 1 LAN
- IPv4, IPv6 Support
- Laser driver - Class B+, Minimum optical output power 1.5dBm, max optical output power
- 5.0 dBm, Rx sensitivity -28dBm
- Multi-color LED status
- Reset button

C5500XK High performance fiber modem

KEY FEATURES

- Network Processor — 1.3 GHz dual-core InterAptiv processor provides a next generation packet offload engine that ensures smooth 4K UHD streaming
- Dynamic QoS – Prioritizes internet by application and device for a better internet experience

SECURITY

- Standards-based SHA256 Security
- Automatic firmware update delivers latest security patches to the router
- Secure Boot

DIMENSIONS & WEIGHT

- Size: 1.5” (Height) x 5.12” (Width) x 7.09” (Length).
- Weight: 0.74 lbs / 0.344 kg

ENVIRONMENTAL

- Power: External, 12V DC, 1.5A
- Certifications: FCC, UL/IEC/EN 62368-1, UL 60825-1
- Operating Temperature: 10° C to 40° C (50° F to 104° F)
- Storage Temperature: -20° C to 85° C (-4° F to 185° F)
- Operating Humidity: 10% to 90% (non-condensing)
- Storage Humidity: 10% to 90% (non-condensing)