ALFOplus

High Capacity IP Ethernet Full Outdoor

ALFOplus is a Full-Outdoor, full IP Next Generation Microwave Radio. Its zero footprint solution allows for fast rollouts of LTE full IP backhaul networks. Ideal for a fast and flexible evolution towards full IP networks, it offers best in class performance and lowest power consumption for a green but performing network

ALFOplus combines compactness, best in class performance and lowest power consumption in a single efficient and cost effective full-outdoor device. It offers up to 1Gbps transport capacity also liaising over higher modulation schemes of 1024 QAM. ALFOplus is optimized for TCP/IP transport compliant to LTE traffic needs including packet synchronization techniques.

ALFOplus

MAIN FEATURES

- 4 QAM to 1024 QAM modulation
- Hitless Adaptive Code Modulation
- MultiLayer Header Compression
- 1 Gbits throughput radio
- Best in Class for SystemGain
- FCC/ETSI Channels supported
- Advanced Pure IP engine

- CISCO Microwave Adaptive Bandwidth feature interworking
- Synchronous Ethernet support
- IEEE 1588 v2 support
- Extended buffer for TCP/IP efficiency in LTE networks
- Optical or Electrical port options

- Lowest power consumption
- Integrated antennas up to 1.8m (6ft)
- Network Management System: NMS5
- SDN Microwave Domain Controller: SM-DC

LAYER 2 MAIN FUNCTIONALITIES

- MEF-9 and MEF-14 compliant
- 8 queues with flexible scheduler (Strict WFQ and mixed)
- Flexible QoS definition based on VLAN, IPv4, IPv6, MPLS exp bits
- Per queue WRED congestion avoidance

- Flow Based Ingress Policing CIR & EIR definition)
- Flow Control IEEE 802.3x
- RMON Statistic management
- VLAN/VLAN STACKING (IEEE 802.1q with QinQ)

- Link Aggregation IEEE 802.3ad
- ETH OAM IEEE 802.1ag/ITU-T Y 1731
- Jumbo Frames up to 10 Kbytes

TYPICAL APPLICATIONS

- Any-G Mobile Backhaul for Access and aggregation
- ISP High Capacity LAN to LAN connections

- Last Mile fiber extension for business customers
- Emergency wireless links

- Complementary solution to fiber deploy
- Zero footprint applications