

# ALFOplus series

Product Leaflet



siae microelettronica

## High Capacity IP Ethernet Full Outdoor

ALFOplus is a Full-Outdoor, fully IP Next Generation Microwave Radio.

Its zero footprint solution allows for fast rollout of 3G and LTE IP backhaul networks. Ideal for a fast and flexible evolution towards full IP networks it offers best in class performance and the lowest power consumption for a green but performing network.



# MICROWAVE RADIO



ALFOplus combines compactness, best in class performances 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 1024QAM. ALFOplus is optimized for TCP/IP transport compliant to LTE traffic needs including packet synchronization techniques.



## MAIN FEATURES

- 4QAM to 1024QAM modulations
- ACM adaptive code and 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
- Integrate antennae up to 1.8 m
- Unified Network Management System - NMS5

## LAYER 2 MAIN FUNCTIONALITIES

- MEF-9 and MEF-14 Compliancy
- 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



MEMBER OF:



MEF



COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =