

ALFOplus Series



ALFOplus is a Full Outdoor, Full IP Next Generation Microwave Radio. ALFOplus is a zero footprint, highly cost effective solution, fully compatible with 3G, 4G and LTE nodes, and the ideal solution for a fast and flexible evolution towards full IP networks with the highest radio capacity and performance. With its advanced Ethernet features and complete synchronization management (SyncE and 1588v2), ALFOplus is a state-of-the-art IP radio, providing the foundation for a leading edge network. SIAE produce RF components with Best-in-class system gain across all the frequency bands and adopt the latest technological developments to achieving the highest MTBF figures and the lowest power consumption available on the market.

MAIN FEATURES

- FREQUENCY BANDS: 4 GHz → 42 GHz. ETSI and FCC standards plus 17GHz and 24GHz (unlicensed)
- MODULATION SCHEMES: from 4QAM up to 1024 QAM.
- TECHNOLOGIES: High Integrated Base-Band MCICS technology
- CONFIGURATIONS: Unprotected, HSTBY, N+0
- TDM CAPACITY RANGE: Upto 160xE1 Using PWE3
- ETHERNET THROUGHPUT RANGE: 4 Mbit/s → 2 Gbps
- ADVANCED DSP : Channel Digital Pre distortion, Equalizer and Packet Header Compression
- TRIBUTARY INTERFACES: Multiport Gigabit switch (electrical/optical)
- ARCHITECTURES: Full IP on Single Board, full outdoor form factor.
- OUTDOOR ARRANGEMENTS: External or integrated low profile, high performance antenna systems
- SPECTRUM ARRANGEMENTS: ACAP, CCCP, XPIC, DUAL CARRIER
- MANAGEMENT OPTIONS: Linux or Unix based NMS, HTML based local access (no flash needed)

MAIN APPLICATIONS

ALS Series provides Native IP and NativePDH and SDH connections; it is the ideal solution for a wide range of applications in access and backbone networks, covering any market segment ranging from cost-sensitive applications to advanced network implementations in which high capacities, complex protection schemes and excellent reliability are mandatory.

- Any G-Mobile backhaul for Access and Aggregation
- Emergency wireless links
- ISP High Capacity LAN to LAN connections
- Last mile fibreextension for business customers
- Complementary solutions for fibre deployments/Ethernet Extension
- Zero footprint applications