Product Portfolio

FibeAir IP-10C

Compact All-Outdoor Wireless Packet Backhaul

FibeAir IP-10C is a compact all-outdoor, high-capacity packet radio. Combining the advantages of an all-outdoor radio with best-in-class performance of the FibeAir IP-10 family, FibeAir IP-10C meets the capacity demands of 4G/LTE backhaul, with up to 1 Gbps per carrier.

Ideal for mobile operators deploying 3.5G and 4G/LTE networks, the FibeAir IP-10C is a perfect fit for network sites requiring zero footprint and cost-effective backhaul that is rapidly deployable. The ruggedized single-box system withstands harsh weather conditions and can be easily mounted on towers, rooftops, lamp posts, traffic light poles and small outdoor mobile cell-sites.

The FibeAir IP-10C features all the benefits of Ceragon's field proven FibeAir IP-10 family, including enhanced spectrum utilization, comprehensive synchronization solutions and powerful low-delay traffic management. FibeAir IP-10C supports high capacity ranging up to 1Gbps and utilizes a breakthrough asymmetrical traffic delivery mode to enable higher download capacities. A Service-Aware solution offering the industry's most extensive QoS feature set, the FibeAir IP-10C allows high granularity of service differentiation to enhance Quality of Experience.

With its advanced mechanical design, Ceragon's all-outdoor solution enables quick and fault-free installation and delivers durable, high performance even in the harshest environments.

Cost Efficient Backhaul

- **All Outdoor - Compact Size**
  Ideal for tower, rooftop and pole-mount installations
- **More Capacity**
  Up to 1Gbps per carrier
- **Easy to Install, Highly Reliable**
  Quick, simple and reliable set up
- **Environmentally Friendly**
  Energy efficient, low power consumption
- **Part of the FibeAir IP-10 products family**
  Interworks with FibeAir IP-10 family Nodal solutions

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Key Features

Highest possible capacity and efficiency at any channel bandwidth	• Up to 1 Gbps of IP traffic per carrier • Asymmetrical traffic delivery mode to enable higher download capacities in asymmetric scenarios • Enhanced compression technology for capacity acceleration • 3.5 MHz - 56 MHz (ETSI & FCC) • 6 GHz - 42 GHz licensed bands • Hitless and errorless Adaptive Coding & Modulation (ACM) QPSK - 256 QAM • Native Ethernet
Simplified network design and maintenance – reducing CAPEX and OPEX	• All outdoor - compact size • Network Management System (NMS) with full FCAPS including end-to-end Ethernet service management • Integrated web-based Element Management System (EMS) • Energy efficient and low power consumption • Optional 2+0 single pole or 1+1 protection
Flexible synchronization solution	• ITU-T G.8262 synchronous Ethernet including optimized regenerator for point-to-point • Precision Time Protocol (e.g. IEEE 1588-2008) optimized transport providing ultra-low and consistent PDV (Packet Delay Variation)
Enables support for services with stringent SLA	• Comprehensive QoS mechanisms enabling differentiated services with SLA assurance • Low latency and jitter with packet cut-through mechanism
Optimized for today's deployments with higher capacity for future mobile broadband	• Easy to install, highly reliable • Direct and remote mount antennas

Ceragon Comprehensive Network Offering:

Product Portfolio

Network Management

Professional Services

Strategic Partnerships

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