



FibeAir[®] 3200T Trunk

A flexible SONET/SDH long haul system

FibeAir 3200T is SONET/SDH wireless Trunk indoor unit capable of supporting up to 20 carriers. FibeAir 3200T offers an all-indoor as well as split installation with a range of configurations varying from 1+1 to 18+2 or 20+0, exceeding OC-48/STM-16 capacities, on a single dual pole antenna. FibeAir 3200T enables operators to deploy a high capacity, highly available wireless backhaul solution optimized to tower site constrains in terms of power, space or climbing restrictions. Its unique modular design makes it expandable allowing low cost introduction and in traffic expansion.



High Performance, Cost Optimized

- **Lower Total Cost of Ownership**
Any installation type: All-indoor or Split
- **Simple integration and maintenance**
Modular, expandable radio functions
- **Longer distances, Smaller Antennas**
Exceptionally high System gain in Split & All-indoor systems
- **Improved network uptime**
Robust redundant design for increased resiliency
- **Risk-free solution**
Smooth migration to all IP

Any Configuration or Installation Scenario

FibeAir IP-10 Trunk is available in any radio configuration including 1+1/2+0 compact or larger N+0/ N+N for high capacity applications. FibeAir IP-10 Trunk system and its radios may be installed in compact all-indoor installation or in low cost, lower power consumption all-out door installation. FibeAir IP-10 Trunk is offered with a range of advanced radio options such as IF Combining Space Diversity and multi radio or cross polarization. Moreover, this allows for asymmetrical usages where one side is implemented as all-indoor and the other is implemented as a split or even all-outdoor installation saving power and space at the remote end. All-indoor installations includes an ETSI rack supporting with up to 10 carriers and a 19" ANSI subrack for up to 4 carriers per subrack.

Unique Branching

By leveraging the design of the FibeAir RFU (Radio Frequency Units) and its flexible branching technology, operators can set up an entry level long haul system with 1 carrier and expand easily with live traffic to up to 16 carriers. These unique expandability options allow operators to grow their networks at their own pace and remain focused on increasing their revenue while avoiding any upfront investments.

Key Features

High capacity trunk system

- Up to 20 carriers in two coupled racks or in split mount installation
- Up to the capacity of OC-48/STM-16 (2488 Gbps) on a single dual pole antenna

Robust redundant design

- 1+1 Hot Standby or 1+1 to 9+1, Frequency Diversity, co-channel operation with XPIC (CCDP)
- Dual power source feeds

Advanced radio features

- 6L, 6H, 7, 8, 11GHz licensed bands
- Channel bandwidth 28, 29.65, 30, 40 MHz
- Standards Compliance :FCC and ETSI
- High Transmit power up to 32dbm in All indoor & spilt mount
- High system gain – Up to 102 dB at 6H GHz delivering 155 Mbps @ 28 MHz channel bandwidth
- IF combining: Optional built-in unique 2 Rx modules enhances space diversity functionality using IF combining mechanism improving system gain by up to 3 dB
- A range of tools and features to reduce overall power consumption

Optimized for today's deployments without compromising on upgradeability

- Network Management System (NMS) with full FCAPS
- Enhanced user access control
- Native Ethernet or Native² technology (native Ethernet and native TDM)

Ceragon Comprehensive Network Offering:



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