

# FibeAir<sup>®</sup> 2000

## Carrier-Class, High-Capacity Sub-6GHz Solution for Next-Generation Networks



### Introducing FibeAir<sup>®</sup> 2000

The new FibeAir 2000 Sub-6GHz radio series delivers high capacity, extended range and carrierclass performance for today's and tomorrow's networks.

FibeAir 2000 is the solution of choice for carriers looking for affordable backhaul solutions. While demand for mobile bandwidth and migration to 3G and 4G networks will require carriers to increase significantly their backhaul capacity, they can not expect a similar growth in ARPU and are thus looking for high-capacity, cost-effective backhaul solutions.

FibeAir 2000 enables carriers to accommodate capacity growth and maintain profitability through unparalleled price and excellent performance. The high-capacity radio system provides 50 Mbps full-duplex net throughput, with a flexible combination of Ethernet and up to 16 E1/T1 interfaces and a range of up to 120 km/75 miles in various sub-6GHz frequencies.

FibeAir 2000 offers native Ethernet and native TDM over a single wireless link, enabling carriers to migrate to Ethernet with no additional cost and to protect their investment in the legacy TDM infrastructure. Built on Ceragon's FA2000 proprietary air interface together with advanced built-in Diversity, MIMO and OFDM technologies, it delivers optimal performance and unmatched robustness in all environments.

FibeAir 2000 solutions are ideally suited for applications such as backhaul for cellular and WiMax networks, access and backhaul solutions for ISPs, enterprise networks, as well as for temporary applications for both carriers and private networks.

- 50 Mbps full-duplex net throughput
- Up to 16 E1s/T1s
- Superior OFDM and MIMO technology
- Unparalleled performance
- Extended range
- Easy to install, simple to maintain
- Competitively priced

  
**Bridge Systems**

 CERAGON

# FibeAir<sup>®</sup> 2000



Configuration	
Architecture	ODU: Outdoor Unit with Integrated Antenna or Connectorized for External Antenna IDU: Indoor Unit for combination of E1/T1 and Ethernet interfaces or PoE device for Ethernet only
IDU to ODU Interface	Outdoor CAT-5e cable; Maximum cable length: 100 m
Radio	
Capacity	50 Mbps capacity (net throughput, full duplex)
Range	Up to 120 km / 75 miles
Frequency Bands	4.9 – 5.9 GHz, 2.3 – 2.5 GHz
Channel Bandwidth	20 MHz
Modulation	2x2 MIMO-OFDM (BPSK/QPSK/16QAM/64QAM)
Adaptive Modulation & Coding	Supported

## Ceragon Networks

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