

THE PRODUCTS



EtherHaul-8020FX

For capacity-hungry private networks

Private networks are rapidly transforming, becoming increasingly powerful and complex. Service providers across industries—whether in ISP, public safety, energy, or smart city applications—face the growing challenge of delivering higher capacity while keeping costs under control.

To answer customer requests for an affordable, easy-to-install and manage, high-capacity solution, Ceragon unveils the new product of the EtherHaul 8000 family. The EH-8020FX was engineered to balance cost-efficiency with high capacity, while ensuring seamless installation and straightforward maintenance.

The EH-8020FX sets a new benchmark for private networks connectivity with its 20 Gbps throughput in a 2+0 XPIC configuration, also allowing for more services to be connected through one copper RJ-45 connection and two SFP+ 10 Gbps interfaces. Designed to endure, its IP67-rated weatherproofing and robust construction ensure reliable performance under harsh conditions. AES-encryption provides secure, wire-speed connectivity, supporting critical applications and offering peace of mind.

While adding more capacity and interfaces to its design, the 8020FX still inherits the E-band advantages: operating within the 71-76/81-86 GHz spectrum, creating minimal interference so the same frequency can be reused multiple times, and benefiting from the same low licensing costs and expedited approvals, for a highly streamlined deployment.

Integrated with advanced networking capabilities like QoS awareness, the EH-8020FX integrates seamlessly into existing infrastructure. By delivering scalable performance, easy deployment, and dependable operation, it drives rapid ROI and ensures a low total cost of ownership (TCO).



**HIGH CAPACITY, EASY DEPLOYMENT,
AND MORE CONNECTION OPTIONS**



THE PRODUCTS

EtherHaul-8020FX Product Specifications

RADIO

- 71-76/81-86 GHz (Tx high and low)
- Max capacity: 20 Gbps (2+0 XPIC)
- XPIC configuration
- Channel BW - 250, 500, 1250 & 2000 MHz
- Multiband

NETWORKING

- IEEE 802.1d transparent bridging
- VLAN and VLAN stacking
- 4K VLANs, MEF 9, 14 and 21 compliant Ethernet services
- Smart pipes transparent ports mode
- Link aggregation: LAG and LACP (IEEE 802.3ad)
- Ethernet ring protection:
 - 10 KB jumbo frames
 - Configurable QOS-aware forwarding
- 8 level H-QoS with multi mapping options:
 - L2: 802.1p, VLAN id., L2½: MPLS EXP, L3: DSCP
- Security: AES 128-bit encryption

INTERFACES

- 1x 1 Gbps RJ45 PoE in
 - 2x 10 Gbps SFP+
 - 48V DC (redundant with the POE in)
 - RSSI measurement
 - XPIC signaling
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