THE **PRODUCTS**

IP-100E
Dual radio, highest capacity, multiband optimized
—

The IP-100E delivers industry-leading capacity of up to 25 Gbps 2+0 using 1 unit and 40 Gbps using multi-box , making it the most advanced E-band radio available. The IP-100E leverages layer-1 carrier aggregation to seamlessly integrate this high-capacity carrier with additional microwave, fiber, or leased line connections, ensuring your high-priority services consistently meet their SLA targets. It achieves exceptional multiband performance of 29 Gbps and features an optional antenna stabilizer supporting 2 ft and 3 ft antennas, providing an optimal mmW solution for digital transformation.

Key features include innovative adaptive coding modulation and bandwidth (ACMB) technology, enabling hitless transmission through dynamic modulation and bandwidth adjustment for challenging conditions.

With dual 25 GbE interfaces, the IP-100E provides future-proof Layer 2 connectivity. It serves diverse applications from macro site backhaul to small cell connectivity and building-to-building links, making it ideal for mobile carriers, ISPs, and enterprise networks.

**2+0 E-BAND IN A BOX
WITH 25 GBPS RADIO CAPACITY**

THE **PRODUCTS**

IP-50E Products Specifications

RADIO

- Supported frequency bands: 71-86GHz
- Radio capacity: 25 Gbps for one unit and 40 Gbps for two units
- Supported channel spacing: 250-2250Hz
- ACM/ACMB steps: 11, ½ BPSK-1024QAM
- Transmit power: Up to 21 dBm (Optional)
- Integrated OMT/Splitter

NETWORKING

- Layer-1 traffic aggregation: supports XPIC and multiband with any additional layer connection
- Networking: integrated Carrier Ethernet switching capabilities, MEF Carrier Ethernet 2.0 compliant | up to 30% more capacity using header deduplication | carrier-grade service resiliency (G.8032, MSTP) | SyncE and 1588 synchronization | ITU-T Y.1731 fault and performance management (MEF 35) | SDN | layer 3 (using IP-50FX)
- Security: AES radio encryption | secured protocols and management interfaces (HTTPS, TLS, SSH, SNMPv3) | secured architecture and software design |advanced authentication and identification management

INTERFACES

- 4 x 1/10 GbE or 40 GbE traffic interface (QSFP+)
- 1/10 GbE traffic interface (SFP+, CPRI, eCPRI)
- 1 GbE traffic interface (SFP) or 1/2.5 GbE multiband port
- 1 GbE management/PoE port