iPASOLINK Series
Full Packet All-in-One Radio
iPASOLINK EX Advanced
TRP-80G10GB

All-outdoor, high-capacity, multi-function, low latency iPASOLINK EX Advanced supports 10 Gbps link capacity for mobile service providers and other network operators that provide LTE Advanced and 5G services, in a lightweight and compact enclosure.

iPASOLINK EX Advanced supports operator network expansion demands, whether unexpected or scheduled, with flexibility, agility, and lower costs compared to optical fibers, with matching reliability that satisfies demanding customers and supports their business and customer expectations. Moreover, Aviat's radio equipment boasts the lowest failure rate in the industry, maintaining long-lasting stable operation and high cost-efficiency.

The Low-TCO Alternative to Fiber for 10Gbps connectivity

| All-Outdoor | 10 Gbps | Small Light-weight | AMBR | Feature Rich L2 Switch |

Features

- **Rapid and Cost-effective 10 Gbps Deployment**
  iPASOLINK EX Advanced offers 10 Gbps capacity to give optical fibers a run for its money, with faster and flexible deployment with lower initial investment. It promotes expansion of customers' networks or rapid buildouts of independent networks.

- **Overturning the image of E-band during Precipitation with AMBR**
  iPASOLINK EX Advanced maximizes transmission capacity of the 80GHz spectrum with AMBR (Adaptive Modulation and Bandwidth Radio). End users benefit from the fast and stable 10 Gbps transmission, increasing customer satisfaction. When the full 10Gbps capacity is not available, AMBR will maintain the link and transmit high priority traffic.
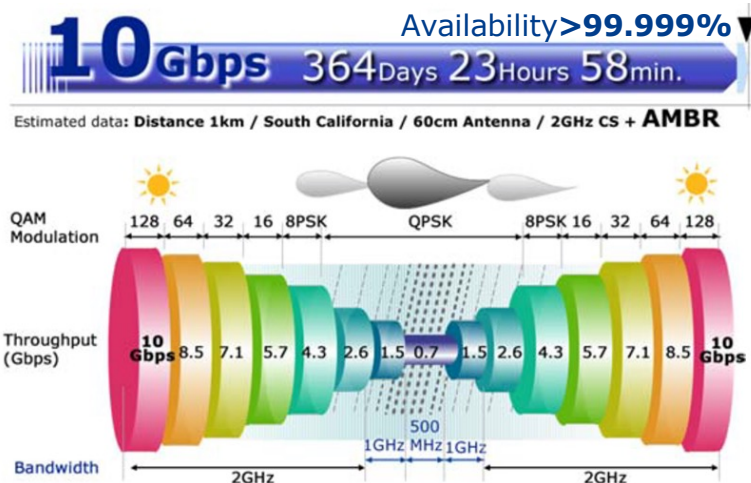
- **Built-in Advanced L2 Switch**
  Feature-rich integrated L2 switch with ERPS and H-QoS support among others, enables carrier-grade Ethernet services.

- **Compact and Lightweight Body to Leverage All-Outdoor Design**
  The compactness and light weight of the iPASOLINK EX Advanced enables it to be easily installed on rooftops or poles without reinforcements, such as in public venues such as stadiums. iPASOLINK EX Advanced supports flexible network design with minimal installation costs.

AMBR (Adaptive Modulation and Bandwidth Radio)

Specifications

Radio Functions

Radio frequency	71-76GHz / 81-86GHz FDD [CEPT ECC / REC 05/07, CFR47 Part101]
Channel Separation	62.5 / 125 / 250 / 500 / 750 / 1000 / 2000MHz (ETSI / ANSI)
Modulation	QPSK / 8PSK / 16 / 32 / 64 / 128 / 256QAM with AMBR
Maximum Air Capacity	10 Gbps (2000 MHz / 128QAM)
Encryption	128bit / 256bit AES

Packet Functions

VLAN	IEEE802.1ad Provider Bridge, IEEE802.1Q VLAN
QoS	8 Classes Queueing, 8 Classes Classify
Protection	MSTP, RSTP, ERPS

Physical Interfaces	1 x GbE Ports (Electrical), 2 x 10/1GbE Ports (SFP,SFP+ selectable)
Clock Synchronization	SyncE, PTP T-BC/TC (G.8275.1)
O&M	ETH OAM (802.1ag CC/LB/LT, IEEE 802.3ah Link OAM, Y.1731 LM/DM/BN)
Management	SNMPv3, Web LCT (HTTPS), CLI (SSHv2)
Power Supply	-40.5 to -57 VDC
Dimensions and Weight	230(W) x 230(H) x 65(D) mm, <3.5kg
Temperature	−33 to +50°C @1m/s wind speed