iPASOLINK Series
6-42 GHz All-Outdoor Radio

iPASOLINK iX Advanced

The iPASOLINK iX Advanced (iX/A) is a high-capacity, long-range all-outdoor radio communication equipment with rich Ethernet features and compatibility with a wide range of frequencies in the 6-42GHz bands. Thanks to its compact and flexible modular design, it can accommodate a variety of configuration options without taking up valuable real-estate.

Wide frequency band support for short-to-long transmission

- All-Outdoor Radio
- Freedom in RF and sub-band selection

The world’s smallest ODU (outdoor unit) technology gives ultimate flexibility to new concept AOR which consists of MDU (Main Digital processing Unit) and ODU. The innovative structure enable highly flexible solution.

- Highest-order multi-level adaptive modulation (4096QAM) implementation

The iPASOLINK iX/A supports modulation of up to 4096QAM, one of the highest levels available for an outdoor solution. Compared to CS56MHz/256QAM, 4096QAM with the same channel spacing achieves 50% more capacity, and when used together with XPIC/RTA, raw capacity in excess of 1Gbps can be achieved.
Main Features

- Wide frequency band support for short-to-long transmission
- Flexible & High performance
  - QPSK to 4096QAM with hitless AMR
  - High Power output ODU support
- Feature-rich integrated switch with ERPS and H-QoS

Specifications

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<td>Channel Separation</td>
<td>7/14/28/40/56MHz</td>
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<td>Modulation</td>
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<td>Maximum Link Capacity</td>
<td>1.36 Gbps (CS56MHz w/XPIC)</td>
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<td>Interface (3 ports)</td>
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Radio Functions

- Radio frequency: 6/7/8/10/11/13/15/18/23/26/28/32/38/42 GHz
- Channel Separation: 7/14/28/40/56 MHz
- Modulation: QPSK/16/32/64/128/256/512/1024/2048/4096QAM with Hitless AMR
- Capacity: 1.36Gbps w/o Compression (56MHz XPIC)
- Configurations: 1+0, 1+1 HS/SD, 1+1 FD, 2+0, 1+0 XPIC

Packet Functions

- Ethernet Interface: 10BASE-T, 100BASE-TX, 1000BASE-T/SX/LX
- VLAN: IEEE802.1ad Provider Bridge, IEEE802.1Q VLAN
- QoS: 8 Classes Queueing, 8 Classes Classify
- STP: MSTP, RSTP (IEEE802.1w)
- ERPS: G.8032v2 ERPS
- LAG: LAG/LACP (802.1AX), Radio Traffic Aggregation (Physical Layer/Packet Layer)
- Header Compression: L2/L3 Header Compression
- Clock Synchronization: SyncE, PTP BC/TC
- Maintenance: PMON/RMON, ETH OAM (802.1ag CC/LB/LT, IEEE 802.3ah Link OAM, Y.1731 LM/DM/BN)
- Management Plane: Inband DCN, M-Plane Access Control List
- Physical Interfaces: 3 GbE Ports (1xElectrical / 2xSFP), LCT/NMS port
- Power Supply: -48V DC Power Supply Port, PoE support (option)
- Dimensions: 253 mm X 253 mm x 137 mm (9.96” X 9.96” X 5.39”)

Specifications are subject to change without prior notice.