

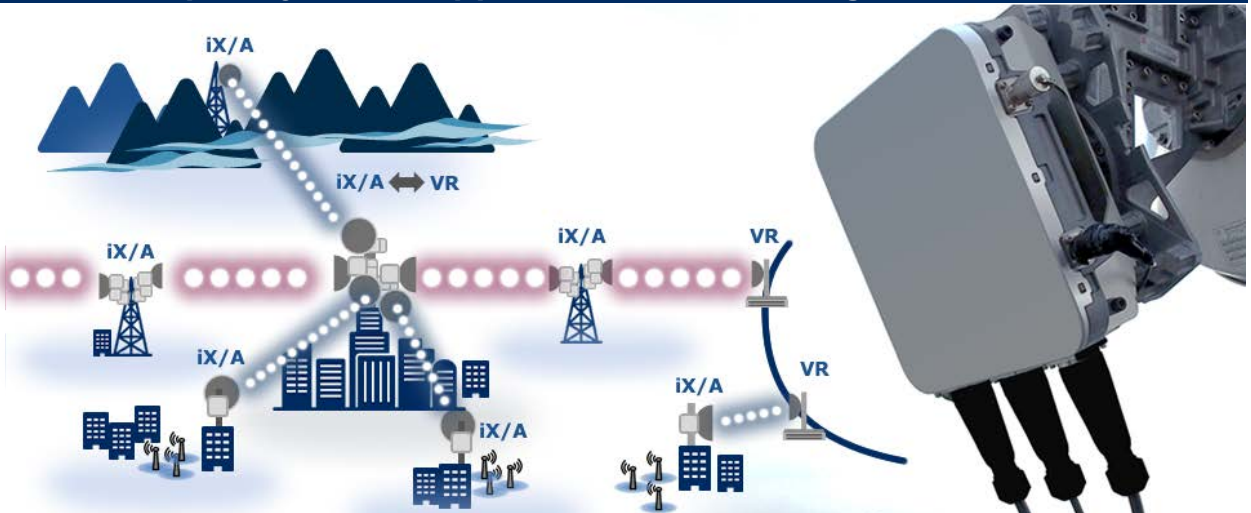
## iPASOLINK Series

### 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.

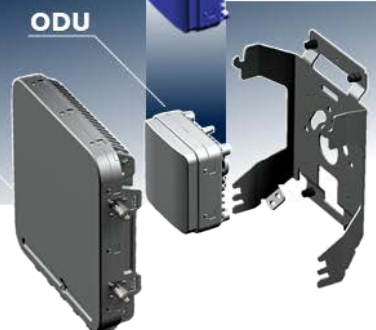
## Wide frequency band support for short-to-long transmission



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

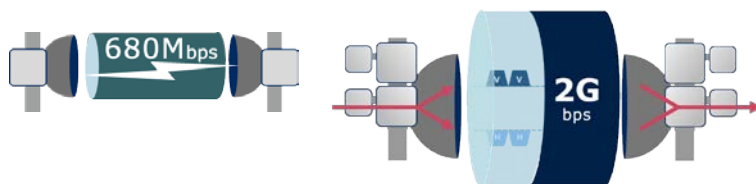
The world's smallest ODU (outdoor unit) technology gives ultimate flexibility to new concept AOR which consists of MDU (Main Digital processing Unit) and ODU. The innovative structure enable highly flexible solution.

MDU  
main digital  
processing  
unit



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

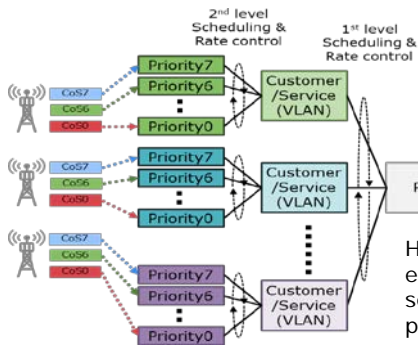
The iPASOLINK iX/A supports modulation of up to 4096QAM, one of the highest levels available for an outdoor solution. Compared to CS56MHz/256QAM, 4096QAM with the same channel spacing achieves 50% more capacity, and when used together with XPIC/RTA, raw capacity in excess of 1Gbps can be achieved.



All Outdoor Solution	6-42GHz RF Band Selection	Carrier Class Packet Switch
4096 QAM	2ch Aggregation	Dual Polarized Double Capacity

## 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



Hierarchical QoS helps to ensure QoS control for each service in the network providing multi-service



- Telecom-ready Timing support: SyncE, PTP
- Space, time and cost saving with compact, lightweight and quick installation

## Specifications

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.