

Pasolink Series

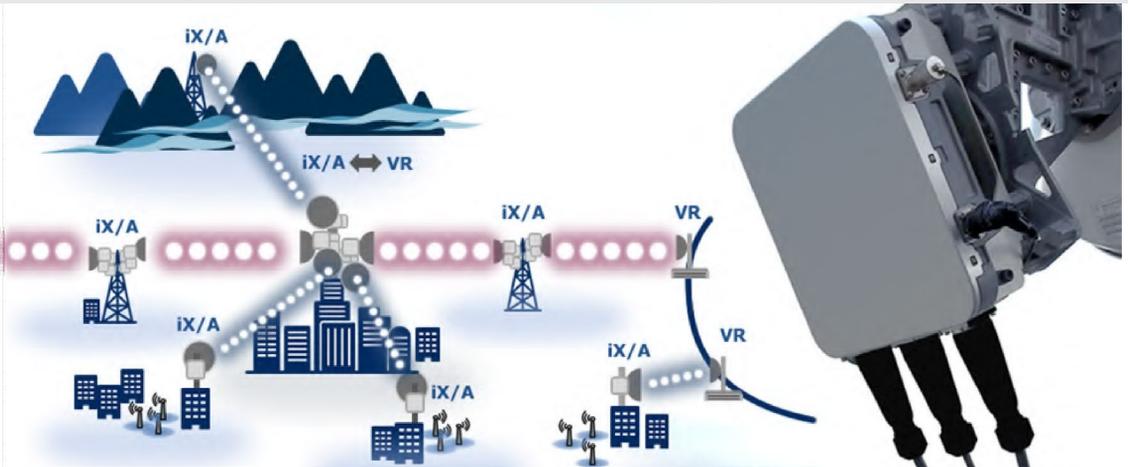
6-42 GHz All-Outdoor Radio

Pasolink iX Advanced

MDP-1200MB-1X

The Pasolink 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

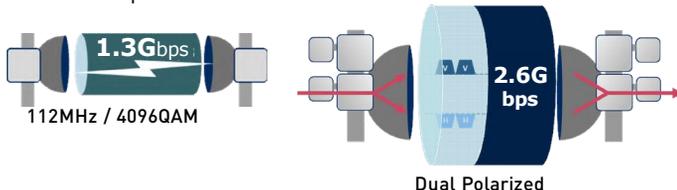
The world's smallest ODU (outdoor unit) technology gives ultimate flexibility to new concept AOR which consists of MDU (Main Digital processing Unit) and ODU. The innovative structure enable highly flexible solution.

MDU
main digital processing unit



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

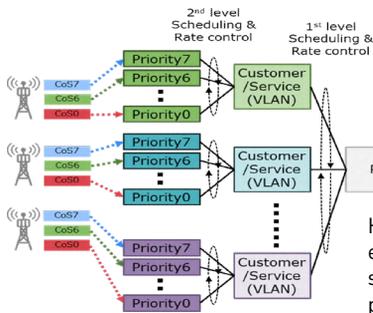
The Pasolink iX/A supports modulation of up to 4096QAM, one of the highest levels available for an outdoor solution. Compared to CS112MHz/256QAM, 4096QAM with the same channel spacing achieves 50% more capacity, and when use together with XPIC/RTA, raw capacity in excess of 2.6Gbps can be achieved.



All Outdoor Solution	6-42GHz RF Band Selection	Carrier Class Packet Switch
4096 QAM	CS112M with XPIC	10GbE 2port 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



- 5G-ready Synchronization support: SyncE, PTP(G.8275.1 T-BC/T-TC)
- Space, time and cost saving with compact, lightweight and quick installation

Features	Specifications
Frequency Range	6 to 42 GHz
Channel Separation	7/14/28/40/56/80/112MHz
Modulation	QPSK to 4096QAM
Maximum Link Capacity	2.6 Gbps (CS112MHz w/XPIC)
Interface	10/1GbE OPT and ELE

Specifications

Radio Functions

Radio frequency	6/7/8/10/11/13/15/18/23/26/28/32/38/42 GHz
Channel Separation	7/14/28/40/56/80*/112* MHz *: High Capacity model only
Modulation	QPSK/16/32/64/128/256/512/1024/2048/4096QAM with Hitless AMR
Maximum Capacity	2.6Gbps w/o Compression (112MHz/4096QAM with XPIC)
Encryption	256bit AES* *: High Capacity model only

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, 10GBASE-SR/LR
VLAN	IEEE802.1ad Provider Bridge, IEEE802.1Q VLAN
QoS	8 Classes Queueing, 8 Classes Classify
Protection	MSTP, RSTP, ERPS
Traffic Aggregation	LAG (802.1AX), Service Switch Function (SSW), Radio Traffic Aggregation (Physical Layer / Packet Layer)
Header Compression	L2/L3 Header Compression

Clock Synchronization SyncE, PTP T-BC/TC (G.8275.1)

OAM ETH OAM (802.1ag CC/LB/LT, IEEE 802.3ah Link OAM, Y.1731 LM/DM/BN)

Management SNMPv3, WebLCT (HTTPS), CLI (SSHv2)

Physical Interfaces 1 x GbE Ports (Electrical), 2 x 10/1GbE Ports (SFP,SFP+ selectable), LCT/NMS port (10/100BASE-T/TX)

Power Supply -48V DC Power Supply Port, PoE support (option)

Dimensions 253 mm X 253 mm x 140 mm (9.96" X 9.96" X 5.51")

Temperature -33 to +50°C @1m/s wind speed

Specifications are subject to change without prior notice.