

PASOLINK Series

Empowered by Innovation



Versatile Outdoor Router

iPASOLINK GX



IP Outdoor Solution
for Smart Network

Product Overview

iPASOLINK GX is a compact, yet feature-rich all-outdoor L3 device, which is an integral component of NEC' s All-Outdoor Solution. It is weather-proof, and its small footprint enables collocation with various outdoor equipments such as All Outdoor Radio, Outdoor Base Station, etc, and achieves significant TCO reduction due to simple management and without the need to occupy costly indoor site facilities or street cabinet space. The iPASOLINK GX, with support for L3 routing and multicast is extensible to network topology beyond simple point-to-point, such as nodal and mesh, and to applications outside traditional wireless transport. There are 2 models (Type I, Type II), and Type II supports line bonding for efficient high-capacity transport.



Features

- Easy Deployment
 - Zero Footprint
 - Power over Ethernet (PoE)
 - All-in-one Package
- Fit to LTE deployment
 - Rich Packet feature with QoS
 - and L3 routing protocols
- Support topologies
 - Linear, Hub & Spoke, Ring, and mesh networks
- Ethernet OAM features
 - 802.3ah, 802.1ag, Y.1731 Ethernet OAM
- High level protection for Outdoor condition
 - IP67 comply
 - (against intrusion of dust particles and watermolecules)

Specifications

Features	Specifications
Ports / interfaces	4 x GE(PoE), 2 x SFP, FE x 1 (for maintenance) DC in x 1
VLAN	Port, Tag, QinQ
QoS	Strict Priority, WRR, WRED
Spanning tree	RSTP, MSTP
Link aggregation	LACP support
Ethernet function	Flow Control
Network protocol	IPv4 / IPv6
Routing function	Static, RIPv1/v2, OSPFv2/v3
Multicast function	PIM-SIM, PIM-SSM, IGMP, MLD
Ethernet OAM	IEEE 802.3ah, 802.1ag CFM, ITU-T Y.1731 PM

Features	Specifications
Redundancy	VRRP, Ethernet Ring (G8032)
Synchronization	Synchronous Ethernet
Management	Web LCT, CLI, Telnet, SNMPv1/v2c/v3, RMON, Syslog, FTP, SSH, NTP, LLDP
Size (mm)	W327 x H200 x D85
Power supply (in)	-48VDC (-40.5 to -57VDC)
PoE PSE	160W total, 80W (4Pair) max/port
Temp. Range	-40 to +70 oC

Abbreviations

CFM:	Connectivity Fault Management	LACP:	Link Aggregation Control Protocol	QoS:	Quality of Service
CLI:	Command Line Interface	LCT:	Local Craft Terminal	RIPv1/v2:	Routing Information Protocol version 1/version 2
D:	Depth	LLDP:	Link Layer Discovery Protocol	RMON:	Remote network Monitoring
FE:	Fast Ethernet	LTE:	Long Term Evolution	RSTP:	Rapid Spanning Tree Protocol
FTP:	File Transfer Protocol	MLD:	Multicast Listener Discovery	SFP:	Small Form-factor Pluggable
GE:	Gigabit Ethernet	MSTP:	Multiple Spanning Tree Protocol	SNMP:	Simple Network Management Protocol
H:	Height	NTP:	Network Time Protocol	SSH:	Secure Shell
IEEE:	Institute of Electrical and Electronic Engineers	OAM:	Operation Administration and Maintenance	TCO:	Total Cost of Ownership
IGMP:	Internet Group Management Protocol	OSPFv2/v3:	Open Shortest Path First version 2/version 3	VLAN:	Virtual LAN
IP67:	International Protection 67	PIM-SIM:	Protocol Independent Multicast - Sparse Mode	VRRP:	Virtual Router Redundancy Protocol
IPv4:	Internet Protocol version 4	PIM-SSM:	Protocol Independent Multicast - Source Specific Multicast	W:	Weight
IPv6:	Internet Protocol version 6	PM:	Performance Monitoring	WRED:	Weighted Random Early Detection
ITU-T:	International Telecommunication Union - Telecommunication Standardization Sector	PoE:	Power over Ethernet	WRR:	Weighted Round Robin
L2:	Network Layer 2	PQ:	Priority Queuing		
L3:	Network Layer 3	PSE:	Power Sourcing Equipment		

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