

BN-ISW-3084PX

4 10G SFP+ + 8-port RJ45 POE L2+ Managed Industrial Switch



Product Description

BN-ISW-3084PX is a layer 2+ high-performance Ethernet communication product for industrial communication. Beek BN-ISW-3084PX supports 4 10G SFP+ Fx ports + 8 Gigabit Tx POE ports, and it is a standard 35mm din-rail installation switch. It can supply various high-grade management function, including MSTP, IGMP, IGMP Snooping, VLAN, GVRP, QoS, Trunk, rate control, port mirroring configuration and so on.

Features and Benefits:

- Support 4 10G Fx ports + 8 Gigabit Tx POE ports.
- Support visiting the switch by CLI.
- Support EAPS, MSTP, VRRP various redundancy protocol.
- Support the SNMP, PMON, Telnet network management protocol.
- Support the hardware ACL filtration based on L2 layers data.
- Supports real-time broadcast storm monitoring control/rate limit.
- Support static multicast/dynamic IGMP snooping/multicast traffic filtering.
- Support port VLAN/IEEE 802.1q VLAN/QoS/port aggregation/port mirroring/IEEE802.1p/ToS DiffServe.
- Online software update based on FTP/TFTP.
- Wide working temperatures range -40 to 85°C.
- MTBF≥ 300,000hrs.

Specifications

Software performance	
Redundancy protocol	Support MW-Ring and the recovery time<50ms Support STP/RSTP/MSTP/EAPS/LACP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast
Management maintenance	and Support CLI, WEB management method Support SNMPv1/v2c Support unified PC software management

Technical specifications	
Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab logical link discovery protocol IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q-VLAN Tagging IEEE802.1p-Class of Service IEEE802.1X -Port Based Network Access Control, etc.
Switch properties	
Priority queue	8
Number of VLANs	4096
Number of multicast groups	512
MAC table	8k
Switch Bandwidth	96Gbps
Switch Latency	<5μs
Interface	
Gigabit port	Port numbers:12
	Connector: SFP port(LC interface, single or multi-mode), or RJ45 port
	Baud rate:1000Base-LX(fiber port), auto-negotiation 10/100/1000M-Tx port
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block,1A@24VDC
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm, 550m;
Single mode fiber	Gigabit single mode: 1310nm, 20km;
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT; SPEED; ALARM; RUN
	Power LED: PWR1/PWR2

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Power and POE	
Power input	Support DC 48~55V
Full-load consumption	Ethernet switch Mode: Max 15W; PoE Budget: 240W Max 30W/Port
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
Working environment	
Operating temperature	-40°C~70°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%(non-condensing)
Physical characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 35mm rail mounting
Dimension	47mm × 181mm × 146mm
Industry standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty period	5 Years
Certification	CE, FCC, RoHS