BN-ISW-2084P2G

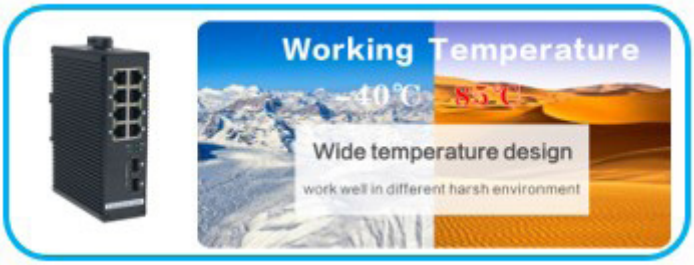
8-Port 10/100/1000Mbps Industrial Managed PoE Switch with 2 RJ45 and 4 SFP Uplink

Key Features:

Ports: Provide 8*10/100/1000Mbps PoE ports with 2*10/100/1000M RJ45 and 4*1Gbps SFP Uplink
PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
Industrial Installation: Din Rail mounting installation
Wide Application: Designed for Railway, traffic etc some Industrial environment
Surge protection: Protect the device from lighting surges and others electrical hazards
Managed: Support remote web managed,VLAN and storm control and IPV6 management etc.
Working Temperature: -40 to 85 degrees operating temperature
Considerate Design: IP40 Industrial design with dual power input

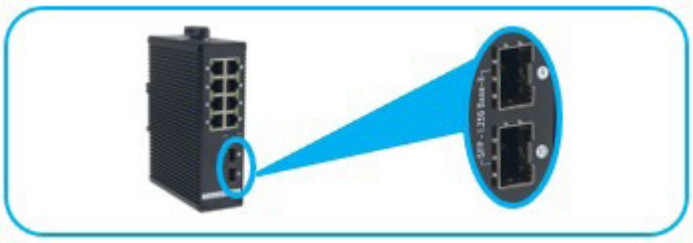
Environmentally Hardened Design

With the IP40 metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges,Being able to operate under the temperature range from -40 to 85 degrees C, the IES7511-8PGE2GE4GF-DC can be placed in almost any difficult environment.



Cost-effective IPv6 Managed Gigabit PoE Switch Solution

With layer 2+ managed Gigabit PoE Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.



Gigabit SFP Uplink Port

With 4 SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

BN-ISW-2084P2G

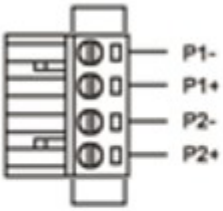
8-Port 10/100/1000Mbps Industrial Managed PoE Switch with 2 RJ45 and 4 SFP Uplink

Model	BN-ISW-2084P2G	
Hardware Specifications		
Connector	10*10/100/1000M RJ45 auto MDI/MDIX ports 4* 1G Base-X SFP Slots 1 Console port	
PoE Port	8 10/100/1000Mbps POE PSE port	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Thermal Fan	Fanless Design	
Installation	Din Rail	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	32Gbps
	Packet forwarding rate	24.62Mpps
	MAC address	8k
Power requirement	DC 44V~56V	
ESD Protection	6KV ESD	
Dimension(W×D×H)	50mm x 145mm x 170mm(1.96in x 5.71in x 6.69in)	
Weight	1.25kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	120/ 240W optional	

Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol
IGMP Snooping	IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL
PoE Management	Open or close port Standard POE scheduling management Power and current display Automatic restarting function of equipment dead machine Timing Support IP bindings restarting
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR
Security	IEEE 802.1X port-based authentication Built-in RADIUS client to co-operate with RADIUS server RADIUS / TACACS+ user access authentication IP-MAC port binding MAC filtering Static MAC address DHCP Snooping and DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention ARP inspection IP source guard
Management Function	
Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3 Firmware upgrade by HTTP / TFTP protocol through Ethernet network Remote / Local Syslog,System log,LLDP protocol ,SNTP
Secure Management Interfaces	SSH, SSL, SNMP
SNMP MIBs	RFC 1213 MIB-II RFC 1215 Generic Traps RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions RFC 2737 Entity MIB (Version 2) RFC 2819 RMON (1, 2, 3, 9) RFC 2863 Interface Group MIB RFC 3635 Ethernet-like MIB
Environment	
Safety	FCC Part15 Class A,CE.RoHs
Environment specification	Operating temperature: -40℃~85℃，operating humidity: 5%~95% Storage temperature: -40℃~85℃，storage humidity: 5%~95%

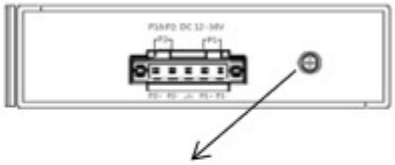
Installation Models

Power Terminal



- 4-pin 3.81mm-spacing plug-in terminal
- 44V-56VDC wide voltage input
- P1&P2 dual power input
- Reverse protection

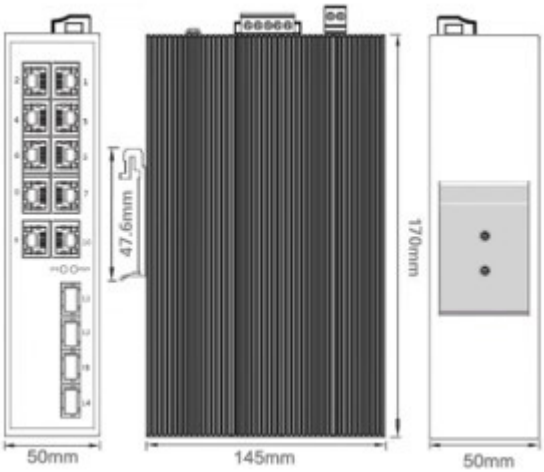
Earth Protection



Ground screw

Din-Rail

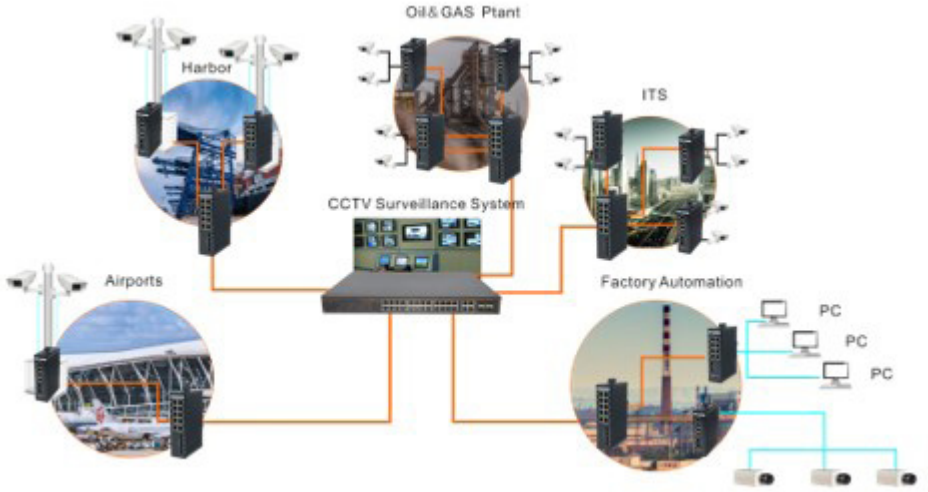
Mechanical Drawing



BN-ISW-2084P2G

8-Port 10/100/1000Mbps Industrial Managed PoE Switch with 2 RJ45 and 4 SFP Uplink

Applications



Ordering Information	
BN-ISW-2084P2G	8 Ports 10/100/1000Mbps Industrial Managed PoE switch With 2Gigabit RJ45 and 4 SFP Uplink,IEEE802.3af/at, Din-Rail

ANKARA MERKEZ Tel: (312) 434 22 45 Faks: (312) 431 19 53
İSTANBUL Malzeme Satış Tel: (212) 347 75 40 Faks: (212) 347 75 44
İSTANBUL Network Tel: (216) 384 50 61 Faks: (216) 384 50 26
İZMİR Tel: (232) 489 07 55 Faks: (232) 425 21 49
BURSA Tel: (224) 274 00 55 Faks: (224) 273 00 26
www.bimel.com.tr bimel@bimel.com.tr