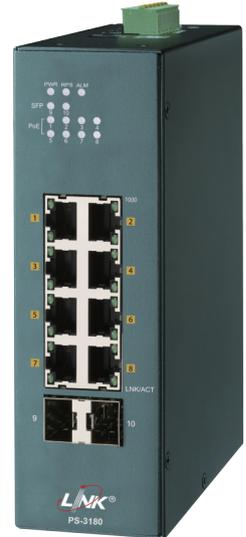


PS-3180

Lite Managed Industrial PoE+ Switch

8-Port 10/100/1000Base-T PoE/PoE+ with 2-Port Gigabit SFP Uplink



Description

Realizing the essentiality in ease of use for 24/7 surveillance for today's society, LINK develops PS-3180 Lite Managed Industrial PoE+ switch. The PS-3180 is working on OSI Layer 2 and engineered with hardened components and enclosed in a rugged metal case which can operate in wide temperature from -40°C to 75°C, and playful even in harsh environments providing reliable surveillance.

The switch is compiled with intelligent PoE+ (IEEE802.3af/at) function on 8-Gigabit copper ports with auto MDI/MDI-X and allows to supply up to 30W per port power budget over the single Ethernet cable to satisfy Powered Devices such as Wireless AP, VoIP phones and IP cameras eliminating the need of external power outlets. The 2-Port SFP 100Base-FX/1000Base-X give the advantages of configuring ring topologies for a safe, reliable and long distance Gigabit connectivity. In addition, the switch offers an easy to use of management functions to allow configuration and monitoring. Designed with sufficient beneficial features, PS-3180 can be considered as a reliable option for harsh outdoor surveillance.

RoHS CE FC



Features Highlight

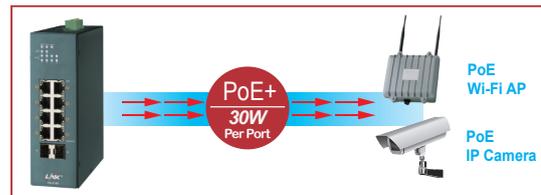
Robust Switch Performance

With a hardened metal case, surge and ESD protection, the PS-3180 provides a high level of immunity against electromagnetic interference and heavy electrical surges, thus facilitating easy deployment in demanding environments. In addition, the PS-3180 offers high performance switch architecture with eight 10/100/1000Base-T ports and two 100Base-FX/1000Base-X SFP ports to meet the requirements of high-bandwidth access in wide operating temperatures.



High-Power Budget for PoE Network Devices

To fulfill the growing demand of high-bandwidth, high-power PoE for network applications and eliminating the cost of electrical cabling and circuits, the PS-3180 is designed under IEEE802.3af/at standard PoE+. With 240W PoE power budget capability for whole system, the switch allows simple "plug-n-play" PoE for various types of high power consuming PoE devices. This makes the PS-3180 a very convenient solution for applications far away from power outlets satisfying PoE extension applications in much longer distances.



Intelligent PoE Alive Checking

The PS-3180 is designed with intelligent PoE+ features to utilize power more efficient. To monitor real-time status of PDs, the switch sends alive-checking packets to PDs. If a PD fails to respond, the switch's PD live check feature detects the failure and reactivates the PD. This reduces management burden and increases system reliability.



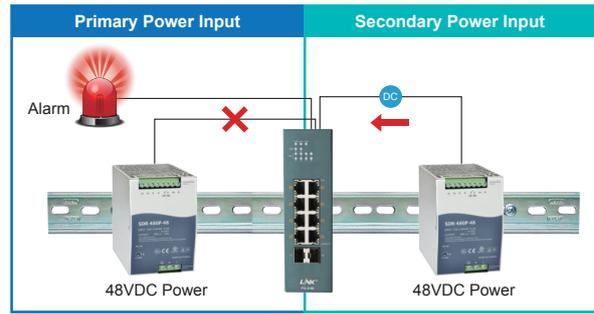
Efficient Network Monitoring and Proactive Capability

In a network, the issues that impact network performance can be quickly resolved with the PS-3180's most accepted and enhanced traffic management, monitoring and analysis protocols. SNMP allows administrators to centrally manage different levels in a network, QoS, Event Alarm gives the capability to monitor the network performance. PS-3180 can help to ensure a reliable network by identifying connectivity and performance issues and isolating the problem remotely on individual switches. This avoids high OPEX and provides administrators the control they need to manage a healthy and efficient network.

Features Highlight

Redundant Power Input

Considering the power failure impact in surveillance applications, PS-3180 is developed with standard "6-pin Terminal Block" for redundant power to provide continuous service resulting reliable and consistent network. In addition, the switch is equipped with alarm feature to notify the occurrence of power failure, helps in quick respond and faster trouble shooting.

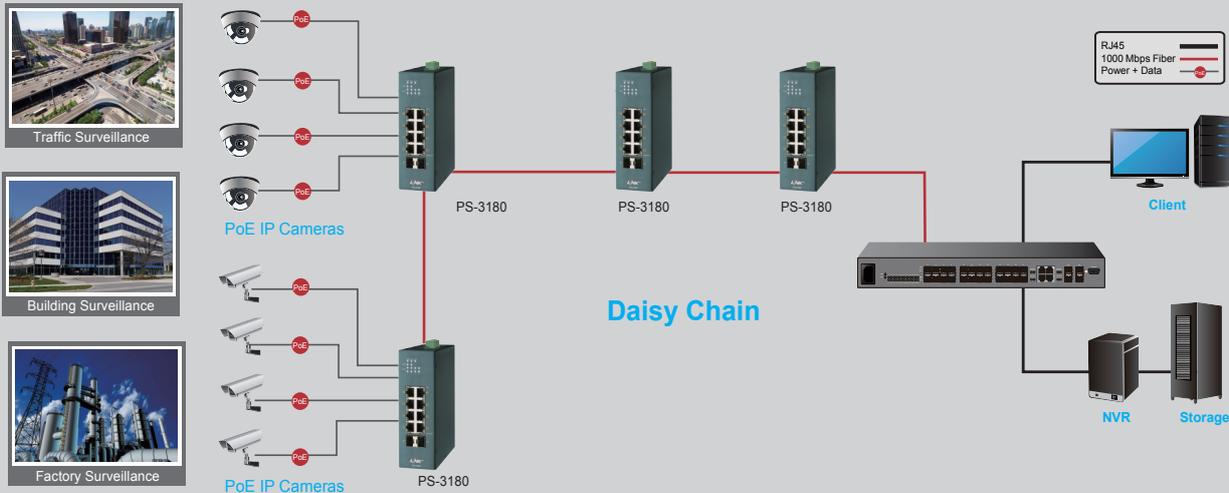


Future-proof Fiber Connectivity with Dual 100Base-FX/1000Base-X SFP Ports

With two multirate SFP ports, the PS-3180 easily establishes fiber channel for gigabit Ethernet connectivity and allows to take advantage of fiber BASEd daisy chain topology. The switch provides long distance, high-speed fiber connectivity while offering enhanced noise immunity and data security across deployed systems. The PS-3180 is a well-suited robust, cost-effective and future-proof solution for fiber BASEd surveillance networks.

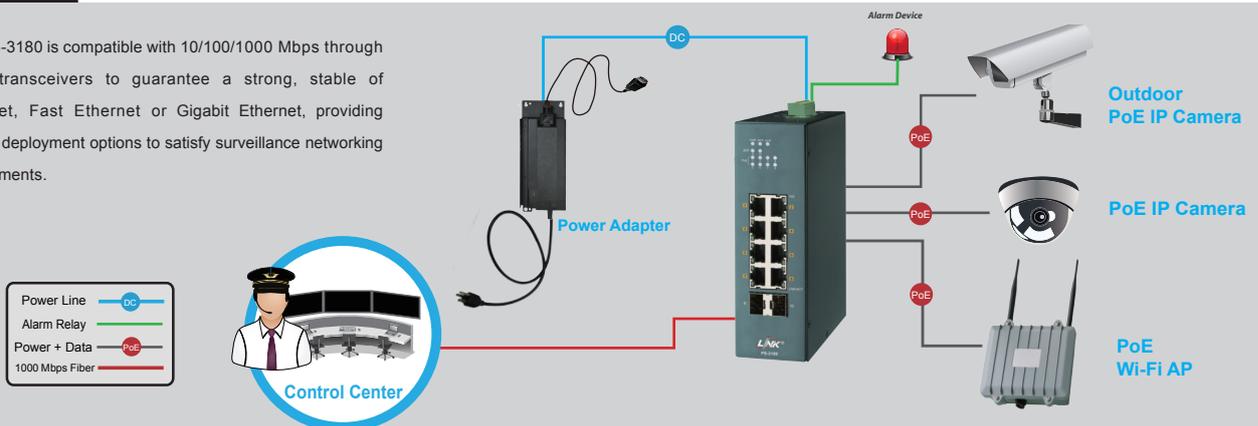
Surveillance Applications

The PS-3180 combines high-power PoE+, robust performance for surveillance systems in harsh industrial environments. With small size, highly reliable and secure features ensure continuous operations in some special requirements for transportation, factory and outdoor places where high vibration degree, shock and wide range temperatures are present.



Applications

The PS-3180 is compatible with 10/100/1000 Mbps through RJ45 transceivers to guarantee a strong, stable of Ethernet, Fast Ethernet or Gigabit Ethernet, providing flexible deployment options to satisfy surveillance networking requirements.



Specifications

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX, 100Base-FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX
IEEE 802.3x	Flow Control
IEEE 802.1ab	LLDP
IEEE 802.3af	PoE
IEEE 802.3at	PoE+
IEEE 802.3az	Energy Efficient Ethernet
Interface	
Ports	8x10/100/1000Base-T PoE/PoE+, RJ45 port 2x100Base-FX/1000Base-X, SFP port
DIP Switch	Primary/Redundant Power Voltage Drop Alarm Setting
LEDPanel	PWR, RPS, ALM, SFP, PoE, 1000, LNK/ACT
Features	
Performance	Max Jumbo Frame Size: 10KBytes
	MAC Table Entries: 8K
	Switch Fabric: 20Gbps
	Packet buffer size: 4.1Mbit
	L2 Forwarding Rate: 14.9Mpps
Management	MTBF : 562,234 hrs.
	BER : <1E-12
Traffic Control	Web GUI, SNMP v1/v2c, Firmware Upgradable, Configuration Backup/Restore, STNP, LLDP,
PoE/PoE+	DHCP Client, Mirroring, ONVIF Discovery Port Priority, Flow Control, Storm Control, Loop Detection
Power	PD Alive Check
	PoE Power Budget: 160W
Power	
Input Voltage	Primary: 24V~57V DC Redundant: 24V~57V DC
Connector	6-pin Terminal block (Primary/Redundant Power Input)
Power Consumption	System: 13W With 4 PoE+ ports full loaded: 240W
Alarm Relay	One relay output with current carrying capacity of 1 A @ 24V DC
Surge protection	6KV

Mechanical and Environment

Housing	Aluminum Case (IP30 protection)
Mounting Kit	DIN-Rail, Wall Mount (Optional)
Operating Temperature	-40°C~75°C
Storage Temperature	-40°C~85°C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	490g
Dimension (WxHxD)	50 x 160 x 120 mm

Standards and Certifications

FCC	Part 15 subpart B	Class A
CE	EMI	EN55011
		EN55022 class A EN 61000-6-4
CE	EMS	EN 55024
		EN 61000-6-2
		IEC/EN 61000-4-2 (ESD)
		IEC/EN 61000-4-3 (RS)
		IEC/EN 61000-4-4 (Burst)
Shock	IEC 60068-2-27	
	IEC 60068-2-32	
Freefall	IEC 60068-2-6	
Vibration	IEC 60068-2-6	

Ordering Information

PS-3180	Lite Managed Industrial PoE+ Switch 8x10/100/1000Base-T PoE/PoE+ and 2x1G SFP port
PS-3181M	With 1000Base-SX 1.25G, Multi-mode SFP, 550m
PS-3182M	With 1000Base-SX 1.25G, Multi-mode SFP, 2km
PS-3184S	With 1000Base-LX 1.25G, Single-mode SFP, 20km

Optional Accessories

Power Adapter	160W, 52V, Industrial Grade Power Adapter (-30°C~60°C for 110V AC input / -30°C~70°C for 220V AC input)
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*Industrial SFP with wide operating temperature from -40°C~85°C is available upon request
*Specifications subject to change without notice.

Dimension
