

PS-1030T

Unmanaged Industrial PoE+ Switch

4-Port 10/100/100Base-T PoE/PoE+ with 1-Port GE Uplink

Description

The PS-1030T is an Unmanaged Hardened PoE+ switch perfectly suited in harsh environments and an ideal solution to deploy in surveillance systems. The switch is working on OSI Layer 2 and designed to meet the requirements of both power and data transmission over single Ethernet cable to PoE appliances and devices without the need for power outlets, eliminating additional cost of electrical cabling and circuits.

The switch's rugged case and hardened components withstand high degree of vibration, shock and wide operating temperatures from -40°C to 75°C. The PS-1030T features 5 ports 10/100/1000Base-T to satisfy new and evolving network demands. With 4 IEEE802.3af/at compliant ports, the switch provides up to 30W per port to meet the growing demand of high power consuming network devices such as wireless access points, IP cameras, and other powered devices (PDs).



RoHS **CE** **FC**



Features Highlight

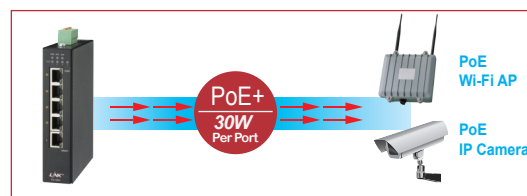
Robust Switch Performance

With IP30 metal case, surge and ESD protection, the PS-1030T provides a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the PS-1030T offers high performance switch architecture with 5 ports of 10/100/1000Base-T to meet the requirements of high-bandwidth access Ethernet, Fast Ethernet or Gigabit Ethernet in tough 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-1030T is designed under PoE+ IEEE802.3at standard. With 120W PoE power budget capability for whole system, the switch allows simple "plug and play" PoE for various types of high power consuming PoE devices. This makes the PS-1030T a very convenient solution for applications far away from power outlets satisfying PoE extension applications in long distances.



DIN Rail to Power Adapter (AC to DC) & Terminal Block

The PS-1030T is ideal solution to prevent the failure of single power circuit, in which provides you options to facilitate the 802.3at High Power PoE usage. Either "DIN-Rail Power Adapter" to convert AC to DC for board operation in an easily and firmly installation with hardened connection to the switch unit OR "Terminal Block" which supports primary (PWR) 48VDC and standby (RPS) 48VDC can be used to powering PoE network. Categorized by its compact design, DIN-Rail Power Adapter can easily fit in smaller infrastructures and is extremely simple in installation. Saving your time and space, this adapter can be easily mounted next to switch unit in surveillance applications that have little space available. The second optional power supply through "Terminal Block" provides a low-cost, simple solution to the problem of an inadvertent failure of the internal power-supply, which can result in the shutdown of switching device, the PoE devices attached to its ports, or an entire network.

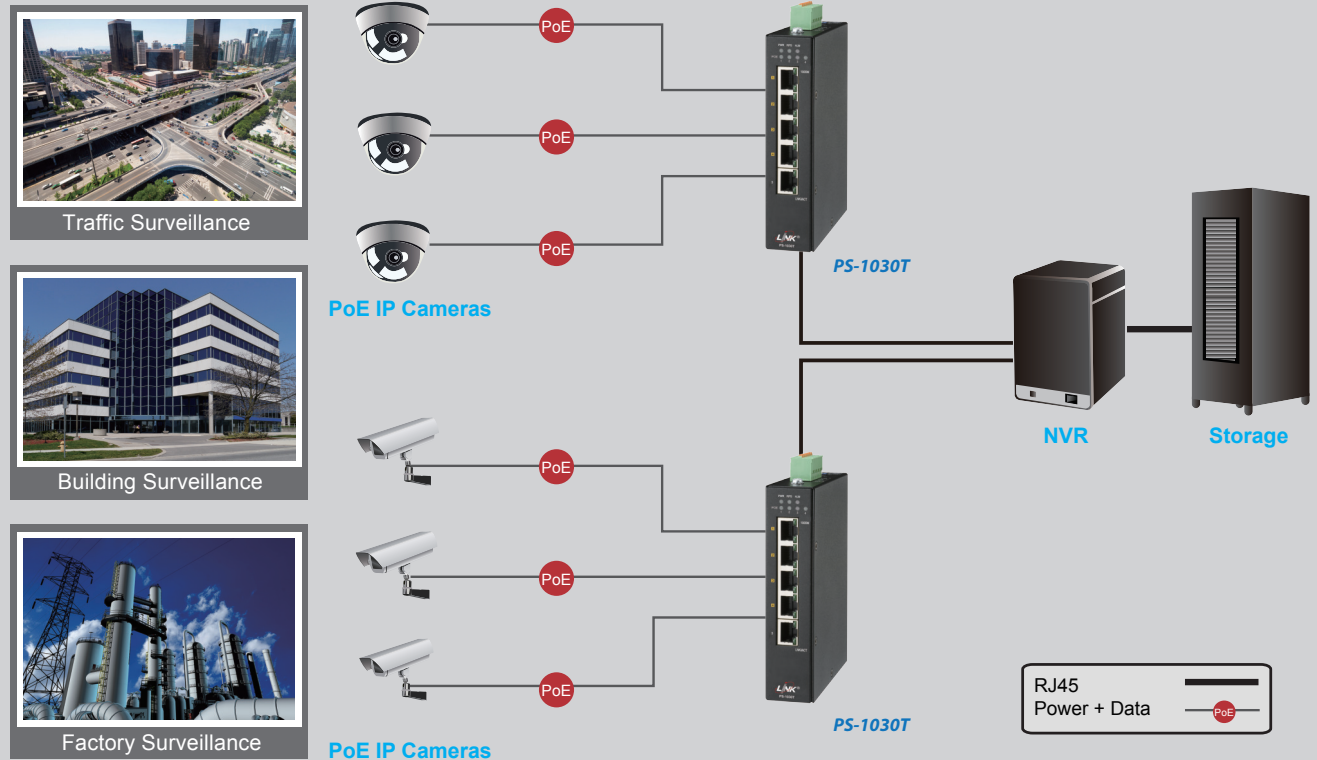


Simplified Installation w/ Compact Size

The PS-1030T provides varied choice of deployment locations even in small space, harsh environments, quick and easy installation way by its compact size and no configuration required. Every PS-1030T is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs. When a compliant device is attached, the power supplied will automatically detect and classify to fit the device. With diagnostic LEDs panel, the PS-1030T allows you to know switch status and simplify troubleshooting.

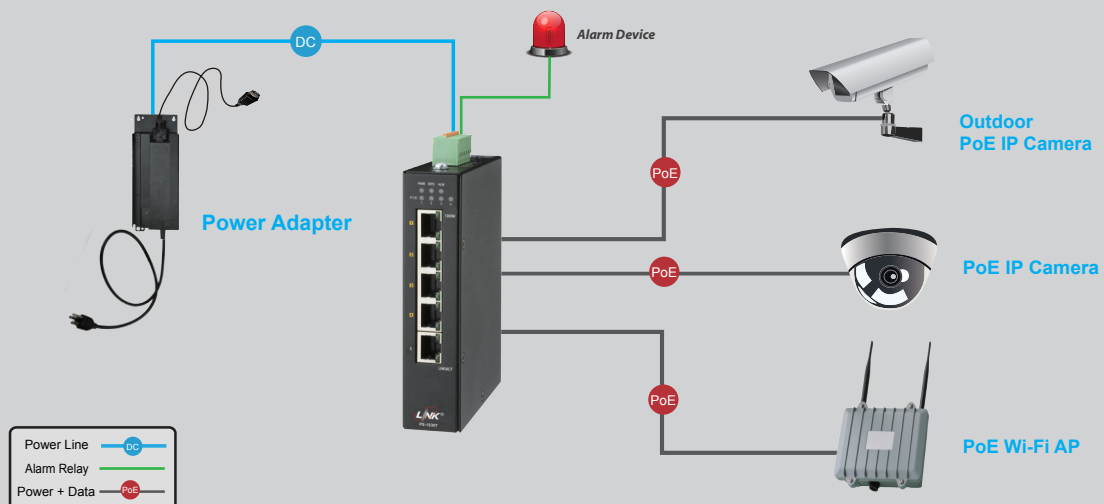
Surveillance Applications

The PS-1030T combines high-power PoE+, robust performance for surveillance systems in harsh environments. With its compact 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-1030T is compatible with 10/100/1000Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet or Gigabit Ethernet, providing flexible deployment options to satisfy industrial networking requirements.



Specifications

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3ab	1000Base-T
IEEE 802.3x	Flow Control
IEEE 802.3af	PoE
IEEE 802.3at	PoE+
IEEE 802.3az	Energy Efficient Ethernet
Interface	
Ports	4x10/100/1000Base-T PoE/PoE+, RJ45 port 1x10/100/1000Base-T, RJ45 port
DIP Switch	Primary/Redundant Power voltage drop alarm setting
LED Panel	PWR, RPS, ALM, PoE, 1000M, LNK/ACT
Features	
Performance	Throughput: 14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
	1,488,000 pps to 1000 Mbps ports
	Switch fabric: 10Gbps
	MAC table size: 8K
	Jumbo Frame size: 10KBytes
PoE+ Functions	Packet buffer size: 4.1Mbit
	MTBF : 435,903 hrs.
	BER : <1E-12
	Up to 4 IEEE 802.3at powered devices
	Supports PoE Power up to 30W for each PoE port
	Auto detect powered device (PD)
Power	Remote Power Feeding up to 100m
	Primary inputs : 48V~57VDC
	Redundant inputs : 48V~57VDC
	System : 9W
	PoE Power Budget : 90W
	Alarm Relay
Connection	One relay output, 1 A @ 24V DC
	one removable 6-pin terminal block
	one DC-power jack
	ESD protection
	8KV, 15KV (contact/air)
	Surge protection
	6KV

Mechanical and Environment

Housing	Metal (IP30 Protection)
Mounting	DIN-Rail
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	510g
Dimension (WxHxD)	31 x 136 x 105 mm

Certifications

EMI	FCC Part 15 Subpart B Class A
	EN55022 : class A
	EN 55011 : 2009 class A
EMS	EN 61000-6-4
	EN 55024
	EN 61000-6-2
	EN 61000-4-2 (ESD)
	EN 61000-4-3 (RS)
	EN 61000-4-4 (Burst)
	EN 61000-4-5 (Surge)
	EN 61000-4-6 (CS)
Shock	EN 61000-4-8 (PFMF)
	IEC 60068-2-27
	IEC 60068-2-32
Freefall	IEC 60068-2-6
Vibration	

Ordering Information

PS-1030T	Unmanaged Industrial PoE+ Switch 4x10/100/1000Base-T PoE/PoE+ and 1x10/100/1000Base-T
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Optional Accessories

Power Adapter	90W, 52V, Industrial Grade AC Power Adapter for PoE+ Switch, -30°C ~ 50°C, Energy Efficient Level VI
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Note :

* The SFP communication distance upon the request.

* Industrial SFP with wide operating temperature from -40°C~85°C is available upon request.

* Specifications subject to change without notice.

Dimension

