

24*10/100/1000Base-T Enhanced Function Unmanaged PoE Switch

LT-S8024GP-24GT

Overview

SmartByte Full Gigabit Ethernet PoE Switch LT-S8024GP-24GT enhanced series provides business and home users with a cost-effective integrated system of small-office / home-office networking and video surveillance. It is with flexible rack-mount for easily installation. LT-S8024GP-24GT enhanced series supports standard auto-MDI/MDI-X, which can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables.

The key function is the enhanced version can make the package of V ports(1-2) transmission on priority when network blocking and make the power supply of V ports(1-2) on priority if overloaded; It supports port isolation, remotely restart the PD automatically when PD is frozen. It also supports 250m long distance transmission based on 10Mbps. The LT-S8024GP-24GT enhanced series have a total PoE budget of **265 watts**, which is an ideal solution to be used for parks, office buildings, residential, parking and other video surveillance environments for camera access. The switches have larger port buffer to ensure a smooth video transmission.

Picture



Features:

- 24*10/100/1000Base-T RJ45 PoE ports
- Store-and-Forward mode with wire-speed filtering and forwarding rates, Non-blocking architecture and large buffer(12Mbits) to decrease the packet loss
- Enhanced function with Dip switch: Make the package of V ports(1-2) transmission on priority when network blocking and make the power supply of V ports(1-2) on priority if overloaded, they also support port isolation, remotely restart the PD automatically function and support 250m long distance based on 10Mbps;
- Standard and Smart PoE chipset, detecting the PoE and Non-PoE equipments automatically, not burn the Non-PoE equipments and support short-circuit protection
- Complies with IEEE802.3af and IEEE802.3at PoE standard, Single port can support PoE+ 30W
- Support power load management: the Pmax indicator will be alarm if the full load exceed the 90% of the rated total power budget
- Built-in slow start circuit to avoid sparks when connecting the power supply
- Support network storm suppression
- Supports 10Kbytes Jumbo frame
- Support port mirroring
- Support star and bus network topology
- Support 4KV surge protection: There are 34pcs anti-lightning components of every PoE module
- Rack-mount for easily installation

Technical specification

Model	LT-S8024GP-24GT	
Ports	Fixed ports	24*10/100/1000M RJ45 PoE ports
	Port type	RJ45 port, full duplex, MDI/MDI-X adaptive
	Operation mode	Store and forward
	Ethernet protocol	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z
Layer 2 switching	MAC address table	16K
	Switching capacity	48G
	Packets forwarding rate	35.712Mpps
	Buffer	12Mbits

	Polarity reversal	Support
	Flow control	Support
	Jumbo frame	10Kbytes
	Port mirroring	Support
	Network storm suppression	Support
PoE	PoE ports	1-24
	PoE standard	IEEE802.3af, IEEE802.3at
	PoE Endspan	1/2(+) 3/6(-)
	Non-standard PD	Support
	Single port Max output power	30W
	Total output power consumption	≤265W
Dip switch function	1:V ports (1~2)	Make the package of V ports(1-2) transmission on priority when network blocking Make the power supply of V ports on priority (1-2) if overloaded
	2: Port isolation	Support port isolation
	3: RPR	Remotely restart the PD function. It can restart the PD equipments automatically when it is frozen
	4: LDS	250m based on 10Mbps
Network topology	Star topology	Support
	Bus topology	Support
	Tree topology	Support
Protection	Power supply surge protection	IEC 61000-4-5 Level 4 (4KV) (8/20us)
	Ethernet ports surge protection	IEC 61000-4-5 Level 4 (4KV) (10/700us)
General	Weight	Net weight 2.2kg
	Dimension	300*235*44mm
	Operation temperature	0°C~+50°C
	Storage temperature	-40°C~+70°C
	Operation humidity	10%~90%RH (non-condensing)
	Storage humidity	5%~95%RH (non-condensing)
	Heat dissipation	Fan cooling
	Input voltage	AC 100-240V 50/60HZ

	Total consumption	PoE ≤280W
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Order information

Model	Description
LT-S8024GP-24GT	Unmanaged PoE switch with 24*10/100/1000M RJ45 PoE ports, AC 100-240V 50/60Hz, total power consumption 280W, enhanced function with Dip switch