Mini Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T Compact Ethernet Switch

Features

- 10 10/100/1000BASE-T Gigabit Ethernet RJ45 copper ports
- Up to 8 ports of IEEE 802.3af/at devices powered
- Up to 240-watt PoE budget
- 48~57V DC redundant power with reverse polarity protection
- Supports 802.3x Flow control
- Complies with IEEE 802.3az Energy Efficient Ethernet (EEE)
- Supports DIN-Rail installation
- Industry standard design, dustproof and close design IP40, rugged high-strength metal case
- -40°C to 80°C (-40°F to 176°F) operating temperature



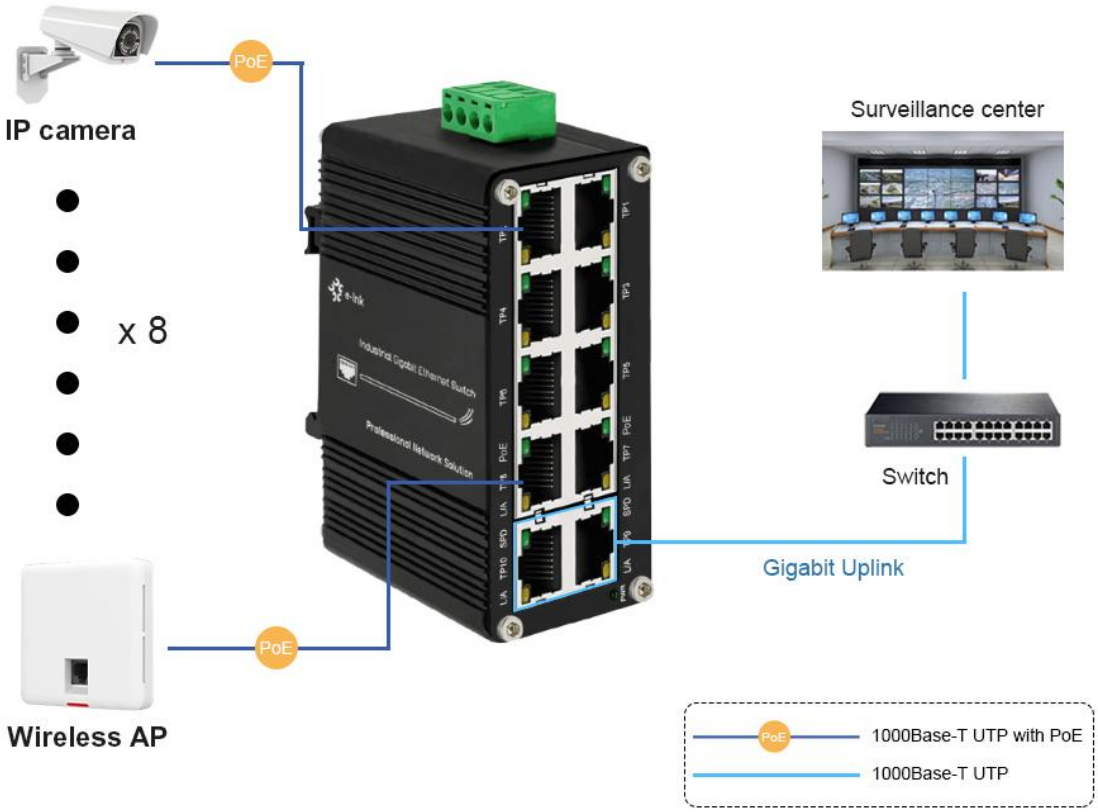
Overview

The LNK-IMC010GP is the mini Compact Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T Ethernet Switch and is specially designed to be installed in a narrow environment. It provides up to 240-watt 802.3at PoE+ output capability and wire-speed Gigabit performance even in the harsh industrial environment. With eight 10/100/1000BASE-T ports featuring IEEE 802.3at PoE+ and two extra 10/100/1000BASE-T RJ45 copper interface for uplink connection. The power system of the LNK-IMC010GP supports 48~57V DC power input for power redundancy and operational flexibility. It comes with a total power budget of up to 240 watts for different kinds of PoE applications and operating temperature ranging from -40 to 80 degrees C in a rugged IP40 metal housing.

Complying with the IEEE 802.3at Power over Ethernet Plus technology, the LNK-IMC010GP provides up to 30 watts of PoE output power to allow users to flexibly deploy standard and high powered devices simultaneously with no need of software configuration.

With the IP40 industrial metal case, the LNK-IMC010GP provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curb-side traffic control cabinets without air conditioning. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Being able to operate under the temperature range from -40 to 80 degrees C, the LNK-IMC010GP can be placed in almost any difficult environment.

Application



Technical Indexes

Ethernet	
Standards:	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer:	2Mbits
Packet Length:	9216bytes
MAC Address Table:	4K entries
Switch Fabric:	20Gbps/non-blocking
Switch Throughput (packet per second)	14.88Mpps@64bytes
Interface	
Connector:	10 10/100/1000BASET RJ45 auto-MDI/MDI-X ports

	8 ports with 802.3at PoE+ injector function (Port 1 to 8)
PoE (Power over Ethernet)	
Standard:	IEEE 802.3at Power over Ethernet Plus/PSE IEEE 802.3af Power over Ethernet/PSE
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
PoE Budget:	Up to 240-watt PoE budget
Max. Number of Class 4 PDs	8
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 100,000 hrs
Electrical and Mechanical	
Input Power:	48~57VDC Redundant power with polarity reverses protection function
Power Consumption:	<250W (Non-PoE<10W)
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present
Dimensions (WxDxH):	95 x 88 x 46mm
Weight:	400g
Casing:	Aluminum Case
Mounting Options:	DIN-Rail mount
LED Indicators:	
PWR	Power
L/A	Link/Activity
SPD	Data Rate
PoE	Max 30W per port
Regulatory Approvals	
EMC	CE (EN55032, EN55035)
EMI	FCC Part 15 Subpart B
EMS	EN61000-4-2 (ESD) EN61000-4-3 (RS)
	EN61000-4-4 (EFT) EN61000-4-5 (Surge)
	EN61000-4-6 (CS) EN61000-4-8 (PFMF) EN61000-4-11
Safety	CE (EN60950-1)
Surge Protection	8KV for PoE, RJ-45 and SFP ports
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6

Ordering Information

Model	Description
LNK-IMC010GP	Mini Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T Compact Ethernet Switch
Mounting Options	► Default DIN-Rail Bracket installed.
Power Options	► Power Supply is to be purchased separately

Dimension & Size

