SHOGUN
Technology Solution

SG-8428PL

8-Port PoE+ Industrial Switch

RoHS CE FC

-10°C 60°C | IP Code 30 | PoE+ | 30W Per Port | DIN Rail

Overview

The switch is compiled with intelligent PoE+ (IEEE 802.3af/at) function on 8-Gigabit copper ports 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-slot 100FX/Gigabit SFP 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, It can be considered as a reliable option for harsh outdoor surveillance.

Features

- Robust Switch Performance
- High-Power Budget for PoE Network Devices
- Intelligent PoE Alive Checking
- Future-proof Fiber Connectivity with Dual 100FX/Gigabit SFP Slots

Specification

Standards	
IEEE 802.3	10BASE-T
IEEE 802.3u	100BASE-TX
IEEE 802.3ab	1000BASE-T
IEEE 802.3u	100BASE-FX
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3x	Flow Control
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus
IEEE 802.3az	Energy Efficient Ethernet (EEE)
IEEE 802.1AB	LLDP
IEEE 802.1D	STP
IEEE 802.1w	RSTP
IEEE 802.1p	Class of Service
IEEE 802.1Q	VLAN tagging
IEEE 802.1X	Port Authentication
Interface	
Ports	8 x 10/100/1000BASE-T (PoE RJ45)
	2 x 100FX/GbE SFP (1000Base-X)
DIP Switch	Power voltage drop alarm setting (PWR & RPS), Broadcast strom control setting (STORM), Port-based QoS setting (QoS on P1 & P2), Fiber port speed setting (100FX on P9 & P10)
LED Panel	PWR, RPS, ALM, SFP, PoE, 1000, LNK/ACT

Features	
Performance	Jumbo frame Size: 10KBytes
	MAC Table Entries: 8K
	Switch Fabric: 20Gbps
Management	CLI, Telnet, SSH, HTTP, HTTPs, SNMP v1/v2c, SNMP v3, SNMP Trap, Management VLAN (MVLAN), Firmware upgradable, Configuration Backup/Restore, Syslog, SNTP, LLDP, DHCP Client, Port Mirroring Server (service) control, Port Utilization, Alarm Information, ModbusTCP, Power Down trap Topology Map, Dashboard, Installation Wizard Port Configuration (enable/disable,speed/duplex), ONVIF, Port Statistic, System reboot from remote side User Account with authority
Reliability	STP/RSTP, ERPS v1/v2, Code redundancy
VLAN	802.1Q VLAN, Port-based VLAN (Port Isolation)
Traffic Control	802.1p QoS, Flow Control, Traffic Monitor (Abnormal Traffic Detection), Storm Control, Port Isolation, Loop Detection Storm alarm threshold per port
Security	ACL (Access control list), Port Security (MAC limit) Port-based 802.1X, BPDU Guard BPDU Filter, ROOT Guard, Trusted Managed Host
PoE/PoE+	PoE Schedulng, PD Alive Check, PoE Power on/off, PoE Priority, Power budget control per system, Power budget control per port, Power delay

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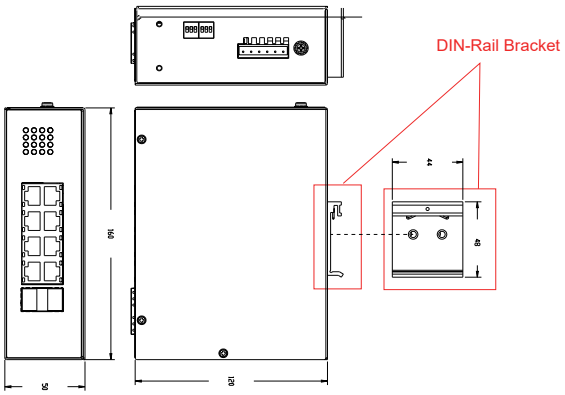
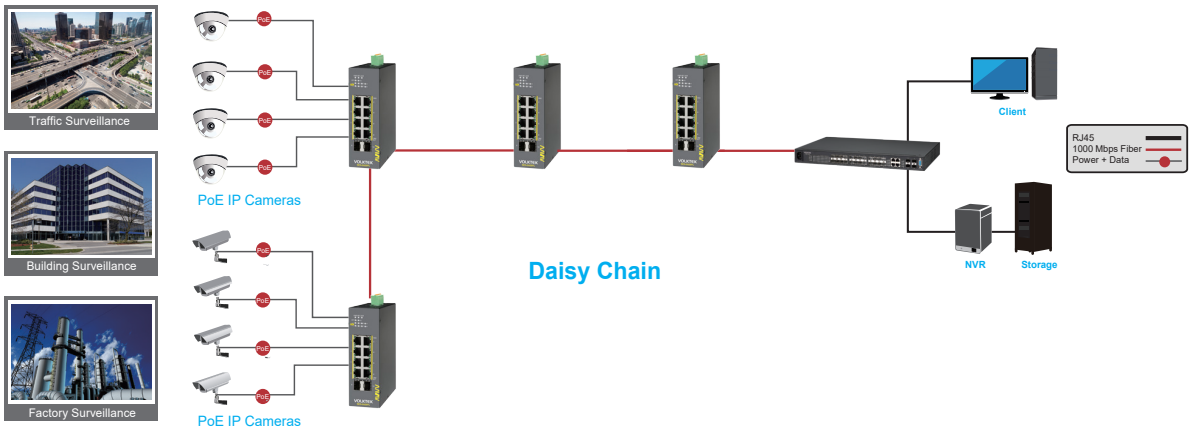
Power	
Input Voltage	Primary inputs: 48~57VDC
	Redundant inputs: 48~57VDC
Power Connection	Teminal Block (6-Pin)
Power Consumption	System: 10W
	PoE Power Budget: 240W
Alarm Relay	One relay output, 1A @ 24VDC
Mechanical and Environment	
Housing	Metal/Aluminium (IP30 Protection)
Mounting	DIN-Rail
Operating Temperature	-10°C~60°C (14°F~140°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	560 g (1.23 lb)
Dimension (WxHxD)	50 x 160 x 120 mm (1.97 x 6.36 x 4.72 in)

Certifications	
EMI	FCC Part 15 Subpart B Class A
	EN 55032: class A
	EN 55011: 2009 class A
	EN 61000-6-4
EMS	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)
	EN 61000-4-8 (PFMF)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Dimensions



Applications

This switch 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.