



PFN-7242IL-AT

- 24-Port 10/100Base-TX with PoE + 2-Port Gigabit Copper/SFP Combo Uplink
- Web-based Configuration and Management
- VLAN, QoS, RSTP, IGMP Snooping, LACP, Port Security, Bandwidth Control, Storm Control
- 19" Industrial Size
- Auto-MDI/MDI-X
- Auto-Negotiation
- Non-Blocking
- Internal Power Supply

24-port 10/100M PoE + 2 Gigabit Copper/SFP Combo Rackmount Web Smart PoE Switch

Introduction

PFN-7242IL-AT is 24-port 10/100M with PoE + 2 Gigabit Copper/SFP Combo ports Rack-mount Web Smart PoE Switch, the switch supports IEEE 802.3at Power over Ethernet standard, maximum 390W power consumption per system. The switch also provides exceptionally smart Web management features, such as VLAN, QoS, RSTP, IGMP Snooping, LACP, Port Security...etc. The switch is standard 19" rack-mount design to fit into the rack environment. With these features, the switch is a superb choice for medium or large network environment to strengthen its network connection and efficiency.

IEEE 802.3at Power over Ethernet (PoE) ports

PFN-7242IL-AT features 24-port PoE+ IEEE 802.3at supplying up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. By adding PS-7242IL-AT to existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

2 Gigabit Copper/SFP Combo Port

PFN-7242IL-AT supports 2 Gigabit Copper or SFP combo ports to uplink to servers, storage, or other switching devices for long loop reach applications.

Exceptionally Smart

The PFN-7242IL-AT features management interface that can be managed through Web Browser and it provides Smart features that are ideal for simple network applications and basic monitoring tools to improve network efficiency. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data, RSTP/Loop Protection to avoid network loop, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and Port Security to secure your network. All of these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

Specification

Interface		
10/100M Base RJ45 Ports		24
100/1000Base-X SFP and 1000 RJ45 Combo Port		2
System Performance		
Packet Buffer		2.75Mbits
MAC Address Table Size		4K
Switching Capacity		8.8Gbps
Forwarding Rate		6.55Mpps
PoE Features		
IEEE 802.3 af/at		IEEE 802.3 af/at
Number of PSE Ports		24
Max. Power Consumption		390W
Max. System Consumption		20W
External/Internal Power		Internal Power
Power Feeding Detecting Capability on PD		•
PD Classification		•
Power Management (per-port)	Enable/Disable PoE Per Port	•
	Overloading Protection	•
L2 Features		
Auto-negotiation		•
Auto MDI/MDIX		•
Flow Control (duplex)	802.3x (Full)	•
	Back-Pressure (Half)	•
Spanning Tree	IEEE 802.1D (STP)	•
	IEEE 802.1w (RSTP)	•
VLAN	VLAN Group	26
	Tagged Based	•
	Port-based	•
Link Aggregation	IEEE 802.3ad with LACP	•
	Static Trunk	•
	Max. LACP Link Aggregation Group	3, Port 1~4, Port 5~8, Port 25~26
IGMP Snooping	IGMP Snooping v1/v2	•
	Querier, Immediate Leave	•
Broadcast Storm Control		•
QoS Features		
Number of priority queue		2 queues, high and low
CoS	IEEE 802.1p	•
	IP ToS precedence, IP DSCP	•
Management		
Web Based Management		•
Firmware Upgrade via HTTP		•
Configuration Download/Upload		•
Cable Diagnostics		•
MAC Address Binding		Bind 3 MAC addresses per port
Port Mirroring		One to One, Many to One, or Many to Many
Mechanical		
Power Input		100~240VAC
Dimension (H*W*D)		440 x 331 x 44 mm
LED		Power, PoE, Link/Act
Operating Temperature		0~45°C
Storage Temperature		-20~80°C
Operating Humidity		5~90% (non-condensing)
Weight		4.7 KG
Certification		FCC Class B, CE

Standard	
IEEE 802.3 – 10BaseT	•
IEEE 802.3u - 100BaseTX	•
IEEE 802.ab – 1000BaseT	•
IEEE 802.3z – 1000BaseSX/LX	•
IEEE 802.3af Power over Ethernet (PoE)	•
IEEE 802.3at Power over Ethernet (PoE+)	•
IEEE 802.3x - Flow Control	•
IEEE 802.1Q - VLAN	•
IEEE 802.1p - Class of Service	•
IEEE 802.1D - Spanning Tree	•
IEEE 802.1w - Rapid Spanning Tree	•
IEEE 802.3ad - Link Aggregation Control Protocol (LACP)	•
IEEE 802.1X - Access Control	•