

## **Gigabit 24Ports Management PoE Switch**

## PFN-7244VM



#### Introduction

PFN-7244VM is 24-port 10/100/1000M PoE with 4 Combo SFP & 4 Gigabit RJ45 Ports Rack-mount Web Smart Switch, the switch supports IEEE 802.3at Power over Ethernet standard, maximum 600Watt power consumption per system. The switch also provides exceptionally smart Web management features, such as VLAN, QoS, RSTP, IGMP Snooping, LACP, IEEE 802.1X, Storm Control...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-7244VM features 24IEEE 802.3at Power over Ethernet (PoE) ports 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. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. By adding PFN-7244VM 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.

#### 4 Combo SFP Open Slots & 4 Gigabit RJ45 Ports

PFN-7244VM supports 4 Combo SFP open slots & 4 Gigabit RJ45 Ports to uplink to servers, storage, or other switching devices for long loop reach applications.

#### **High-Speed Networking and Jumbo Frames Support**

PFN-7244VM provides an excellent solution for expanding your Gigabit network. By Gigabit speed, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files. In addition, it also supports Jumbo Frames 9.6K to improve network utilization of large file transfers.

#### **Exceptionally Smart**

The PFN-7244VM features management interface that can be managed through Web Browser and it provides Smart features that are ideal for 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 to avoid network loop, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and IEEE 802.1X to secure port access on your network. All of these features offer extra protection on the network edge.

#### **Advanced Security**

PFN-7244VM supports specific IP Addresses filtering for every port, and then only identifiers have the privilege to pass through the specific ports. On port access control, the switch also supports IEEE802.1x port authentication.

- **Total Port : 32 ports**
- Gigabit RJ45 PoE Port : 24 Port (Up to 90 Watt Per Port Up to 600 Watt Max)
- Gigabit RJ45 Uplink Port : 4 Port
- Gigabit SFP Uplink Port : 4 Port
- Combo Uplink Port : Yes
- Layer : Layer 2 Management
- Max PoE Output : 600Watt
- Power : 110~240VAC
- Mounting : Rackmount

Total Port32 PortsMax PoE Output600WattPoE Port ControlTexas Instrument ChipsetGigabit RJ45 PoE Port24 Ports ( Up to 90Watt Per Port )Gigabit RJ45 Uplink Port4Gigabit RJ45 Uplink Port4Combo Uplink PortYesNetwork Performance1Total PortIEEE802.3x, IEEEE802.3az, IEEE802.3az, IEEE802.3at (Up to 30Watt ), IEEE802.3btProtocolsCSMA/CDSpeedEthernet 10Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Fast Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps (full duplex ), 100Base-T ; 14,8800bps/port BindwidthActo MDI-MDIXSeGb Internal BandwidthMAC Table4HardwareProcessore TypeReate Poe Activity Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRack CasePOSPiesIP PoneYesIP PoneYes			
Max PoE Output         600Watt           PoE Port Control         Texas Instrument Chipset           Gigabit RJ45 PoE Port         24 Ports ( Up to 90Watt Per Port )           Gigabit RJ45 Uplink Port         4           Gigabit RJ45 Uplink Port         4           Gigabit SFP Uplink Port         4           Combo Uplink Port         Yes           Network Performance         Texas Instrument Onlyps ( Intel Res02.3a), IEEE802.3a), IEEE802.3	Interfaces		
Poe Port Control         Texas Instrument Chipset           Gigabit RJ45 Poe Port         24 Ports (Up to 90Watt Per Port)           Gigabit RJ45 Uplink Port         4           Gigabit RJ45 Uplink Port         4           Gigabit SPF Uplink Port         4           Combo Uplink Port         Yes           Network Performance         res           Total Port         IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3at (Up to 30Watt), IEEE802.3bt           Protocols         CSMA/CD           Speed         CImment 10Mbps (half duplex) 20Mbps (full duplex), 100Base-T; 14,8800bps/port Fast Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 1,00Base-TX; 14,8800bps/port Gigabit Ethernet 100K	Total Port	32 Ports	
Gigabit R445 PoE Port24 Ports (Up to 90Watt Per Port)Gigabit R455 Uplink Port4Gigabit SFP Uplink PortVesCombo Uplink PortIEEE802.3x, IEEE802.3a, IEEE80.	Max PoE Output	600Watt	
Gigabit RV45 Uplink Port4Gigabit SFP Uplink Port4Combo Uplink PortYesNetwork PerformanceIEEE802.3x, IEEE802.3a, IEEE802.3a, IEEE802.3ab, IEE800, IEE800, IEE800, IEE800, IEE800, IEE800,	PoE Port Control	Texas Instrument Chipset	
Gigabit SFP Uplink Port         4           Combo Uplink Port         Yes           Network Performance         IEEE802.3u, IEEEE802.3az, IEEE802.3az, IEEE80.300000.5000, IEEE8000, IEEE8000, IEEE800.00000, IEEE8000,	Gigabit RJ45 PoE Port	24 Ports ( Up to 90Watt Per Port )	
Combo Uplink Port         Yes           Network Performance         [EEEB02.3w, IEEEEB02.3w, IEEEB02.3az, IEEEB02.3baz, IEEEB02.3az, IEEEB02.3az, IEEEB0.3az, IEEEB02.3az, I	Gigabit RJ45 Uplink Port	4	
Network Performance           Total Port         IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3at (Up to 30Watt), IEEE802.3bt           Protocols         CSMA/CD           Speed         Ethernet 10Mbps (half duplex) 20Mbps (full duplex), 10Base-Tx ; 14,880bps/port Gigabit Ethernet 100Mbps (half duplex) 200Mbps (full duplex), 100Base-Tx ; 14,8800bps/port           Cabling         10Base-Tx:Cat3 or above Cat5 UTP (100m) PoE=200M 100Base-TX:Cat6 or Cat6 UTP (120m) PoE=150M           Bandwidth         56Gb Internal Bandwidth           MAC Table         64Kb           Auto MDI-MDIX         Yes All Port           Console         Yes - Web & R5232 Layer2+Management (Telnet Support)           Transfer Pattern         Store & Forward           HardWare         Processore Type           Realtek         LED Panel           Mounting         Rackmount           PDiS         Yes           Phone         Yes	Gigabit SFP Uplink Port	4	
Total PortIEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3az, IEEE802.3at (Up to 30Watt), IEEE802.3btProtocolsCSMA/CDSpeedEthernet 10Mbps (half duplex) 20Mbps (full duplex), 10Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 200Mbps (full duplex), 100Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 200Mbps (full duplex), 100Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 100Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex) 2000Mbps (full duplex), 100Base-TX; 14,8800bps/port Gigabit Ethernet 1000Mbps (half duplex) 2000Mbps (full duplex), 100Base-TX; 14,8800bps/port I00Base-TX: Cat5 or above Cat5 UTP (100m) PoE=200M 100Base-TX: Cat5 or Cat6 UTP (120m) PoE=150MBandwidthS6Gb Internal BandwidthMAC Table64KbAuto MDI-MDIXYes All PortConsoleYes -Web & R5232 Layer2+Management (Telnet Support)Transfer PatternStore & ForwardHardwareProcessore TypeRealtekPoe Activity / Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PoneYes	Combo Uplink Port	Yes	
Protocols         CSMA/CD           Speed         Ethernet 10Mbps ( half duplex ) 20Mbps ( full duplex ) , 10Base-T; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 200Mbps ( full duplex ) , 100Base-TX; 14,8800bps/port Gigabit Ethernet 100Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,8800bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,88000bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,88000bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,88000bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,88000bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX; 14,88000bps/port Gigabit Ethernet 1000Mbps ( half duplex ) 2000Mbps ( full duplex ) , 100Base-TX ; 14,88000bps/port Gigabit Ethernet 1000 ) PoE=150M 100Base-TX: Cat5 UTP ( 100m ) PoE=200M 100Base-TX: Cat5 UTP ( 100m ) PoE=150M           Bandwidth         56Gb Internal Bandwidth Auto MDI-MDIX         Yes All Port           Console         Yes - Web & RS232 Layer2+Management ( Telnet Support )           Transfer Pattern         Store & Forward           HardWare         Poes Activity / Data Activity           Processore Type         Realtek           LED Panel         Poe Activity / Data Activity           Main Board         Double Layer           Case         Metal Case           Mounting         Rackmount           PD'S         Yes           IP Camera         Yes	Network Performance		
SpeedEthernet 10Mbps (half duplex ) 20Mbps (full duplex ), 10Base-T ; 14,8800bps/port Fast Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 100Base-TX ; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 100Base-TX ; 14,8800bps/port Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 100Base-TX ; 14,8800bps/portCabling10Base-TX:Cat3 or above Cat5 UTP (100m ) PoE=200M 100Base-TX: Cat6 or Cat6 UTP (120m ) PoE=150MBandwidth56Gb Internal BandwidthMAC Table64KbAuto MDI-MDIXYes All PortConsoleYes - Web & R5232 Layer2+Management (Telnet Support)Transfer PatternStore & ForwardHardwareProcessore TypeRealtekQuble LayerCaseMetal CaseMountingRealterPD'SPortPromeYesIP PoneYes	Total Port	IEEE802.3x, IEEEE802.3u, IEEEE802.3az, IEEE802.3ab, IEEE802.3at (Up to 30Watt ), IEEE802.3bt	
Speed       Fast Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 100Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Gigabit Ethernet 100Mbps (half duplex ) 200Mbps (full duplex ), 1000Base-TX ; 14,8800bps/port         Mato MDI-MDIX       Second (full duplex )         Yes All Port       Second (full duplex )         Console       Yes - Web & RS232 Layer2+Management (Telnet Support)         Transfer Pattern       Store & Forward         LED Panel       Poc Activity / Data Activity         Main Board <th>Protocols</th> <th>CSMA/CD</th>	Protocols	CSMA/CD	
Cabling100Base-TX: Cat5 UTP (100m) PoE=150M 1000Base-TX: Cat6e or Cat6 UTP (120m) PoE=150MBandwidth56Gb Internal BandwidthMAC Table64KbAuto MDI-MDIXYes All PortConsoleYes - Web & RS232 Layer2+Management (Telnet Support)Transfer PatternStore & ForwardHardwareProcessore TypeRealtekDuble LayerCaseMetal CaseMountingReakmountPD'SImage: Store Stor	Speed		
MAC Table64KbAuto MDI-MDIXYes All PortConsoleYes - Web & RS232 Layer2+Management (Telnet Support)Transfer PatternStore & ForwardHardwareProcessore TypeRealtekLED PanelPoE Activity / Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PhoneYes	Cabling	100Base-TX: Cat5 UTP ( 100m ) PoE=150M	
Auto MDI-MDIXYes All PortConsoleYes – Web & RS232 Layer2+Management ( Telnet Support )Transfer PatternStore & ForwardHardwareProcessore TypeRealtekLED PanelPoE Activity / Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PhoneYes	Bandwidth	56Gb Internal Bandwidth	
ConsoleYes – Web & RS232 Layer2+Management (Telnet Support )Transfer PatternStore & ForwardHardwareRealtekProcessore TypeRealtekPoE Activity / Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PhoneYes	MAC Table	64Kb	
Transfer Pattern       Store & Forward         Hardware       Processore Type         Realtek       Realtek         LED Panel       PoE Activity / Data Activity         Main Board       Double Layer         Case       Metal Case         Mounting       Rackmount         PD'S       Yes         IP Camera       Yes         IP Phone       Yes	Auto MDI-MDIX	Yes All Port	
Hardware         Processore Type       Realtek         LED Panel       PoE Activity / Data Activity         Main Board       Double Layer         Case       Metal Case         Mounting       Rackmount         PD'S       Yes         IP Camera       Yes         IP Phone       Yes	Console	Yes – Web & RS232 Layer2+Management ( Telnet Support )	
Processore TypeRealtekLED PanelPoE Activity / Data ActivityMain BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PhoneYes	Transfer Pattern	Store & Forward	
LED Panel     PoE Activity / Data Activity       Main Board     Double Layer       Case     Metal Case       Mounting     Rackmount       PD'S     IP Camera       IP Phone     Yes	Hardware		
Main BoardDouble LayerCaseMetal CaseMountingRackmountPD'SIP CameraYesIP PhoneYes	Processore Type	Realtek	
Case     Metal Case       Mounting     Rackmount       PD'S     IP Camera     Yes       IP Phone     Yes	LED Panel	PoE Activity / Data Activity	
Mounting     Rackmount       PD'S       IP Camera     Yes       IP Phone     Yes	Main Board	Double Layer	
PD'S IP Camera Yes IP Phone Yes	Case	Metal Case	
IP Camera     Yes       IP Phone     Yes	Mounting	Rackmount	
IP Camera     Yes       IP Phone     Yes	PD'S		
		Yes	
	IP Phone	Yes	
(+)5/4, (-)8/7 Optional	( + )5/4, ( - )8/7	Optional	
(+)2/1, (-)6/3 Yes			

General		
IP Rating	IP51	
Web Language	English	
Dimension	438*330*45 mm	
Weight	2.65 Kg	
Storage Temp	-25'~+75'C / 10%~90%RH	
Operation Temp	-20'~+55'C / 10%~90%RH	
Radiation Electromagnetic	EN55016	
Status		
LED	Ethernet Interfaces 1000 Link/Act ( Orange ), 10/100 Link/Act ( Green ) PoE Ethernet Interfaces PoE-in-Use ( af/at-Red )	
Power Supply		
Power	90~220VAC – 2.9A	
LED Power	Yes	
Power Cable	Available	
Guarantee		
Product Guarantee	3 Years	

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### مشاوره . طرامی و امرای سیستمهای نضارتی و مخاطتی

آدرس : تهران ، خیابان ولیعصر ، جنب پمپ بنزین ساعی ، برج سرو ساعی ، طبقه سوم ، واحد ۳۰۲ تلفن : ۸۹۳۳۵–۲۱۱ فکس : ۸۸۷۲۲۹۸۲–۲۱۰