

Features

- PoE Power Output**
34.2W output on every port
- PoE Standard**
IEEE 802.3af/at
- Layer 2 switching**
Port-based VLAN, 802.1Q-based VLAN with 4K entries, MAC-based VLAN with 512 entries, rapid spanning tree Protocol support (IEEE 802.1w)
- Port Speed**
10/100MB PoE ports, 10/100/1000MB uplink Ports
- Long Life**
MTBF up to 150,000 hours, designed for 24 hour/365 operations for over 15 years.
- Broad Temperature Range**
-30°C ~ 60°C operating temperature for 4 and 16-port models, -30°C ~ 70°C on 8-port model
- Protection**
Built-in Lightning and Surge protection on each port
- Circuit Protection**
Independent short-circuit protection, overload protection and surge protection on each port



PoE Switch Series

...From Patronus Labs



“FULL POE POWER ON EVERY PORT”



Overview

Patronus Labs offers an exclusive selection PoE switches with FE RJ-45 Ethernet ports and 2 Long-distance Gigabit uplink ports, features in-line power that follows the industry-standard IEEE 802.3af. Our affordably priced PoE switches simplify the installation of high power density network like IP-based surveillance system, wireless access point system and other PoE converged network in SMB applications.

The PoE-based power supply systems can be easily constructed to offer higher availability by connecting battery power(UPS), thus providing numerous advantages over the use of ordinary separate power cords.

PRODUCT IDENTIFICATION CHART	
Division	Category
Access Control	Cables
Computer Components	Switching
Fixed Platform	Firewalls
Housings/Mnts/Enclosures	
Mobile Platform	
Power Gen/Storage	
Tools/Equipment	
Video Surveillance	
Wire/Cables/Connectors	
Networking Equipment	



Models

Model	Description
NEUM0975	PoE Switch, 4xRJ-45-10/100 @ 34.2W, 1xRJ-45-10/100 uplink
NEUM0976	PoE Switch, 8xRJ-45-10/100 @ 34.2W, 2xRJ-45-10/100/1000 uplink
NEUM0977	PoE Switch, 16xRJ-45-10/100 @ 34.2W, 2xRJ-45-10/100/1000 uplink

Specifications

Model	NEUM0975	NEUM0976	NEUM0977
AC Power Supply	UL-listed, 60W, 90~264VAC to 48VDC	UL-listed, 140W, 90~264VAC to 48VDC	UL-listed, 300W, 90~264VAC to 48VDC
AC Power Supply Operational Temperature	-30 ° C ~ +60 ° C		
Auto-MDI/MDI-x	Supported		
DC Input Voltage Range	48VDC		
Dimensions	120 x 85 x 55 mm (4.7 x 3.3 x 2.2 in.)	440 x 250 x 44.5 mm (17.32 x 9.84 x 1.75 in.)	
Multi-Cast	1K-entry Multicast address table, Port mirroring (ingress/egress) and MLD snooping, Spanning tree support (802.1d/1s/1w), Supports 802.1x EAPOL higher layer protocol		
MTBF	150,000		
Operating Humidity	95% RH(non-condensing)		
Operating Temperature	-40 ° C ~ +70 ° C	-30 ° C ~ +60 ° C	
PoE/Data Distance to PoE Device	up to 100m		
PoE Output	Port 1~4: max. 34.2W/port, 120W total *Power Supply dependent	Port 1~8: 34.2W/port; Port 9&10 (uplink) data only, 240W total *Power Supply dependent	Port 1~16: 34.2W/port; Port17~18 (uplink) data only, 250W total
PoE Power Supply Type	Mid-span & End-Span, Pins1/2, 4/5(+), Pin 3/6, 7/8(-)		
PoE Standard	IEEE 802.3af and 60W PoE	IEEE 802.3af	
RJ-45 Port	4 x 10/100Mbps + 1 x 10/100Mbps (Uplink)	8 x 10/100Mbps + 2 x 10/100/1000 Mbps (Uplink)	16 x 10/100Mbps + 2 x 10/100/1000Mbps (Uplink)
Security	Protected port security feature, Programmable broadcast, multicast, and unknown unicast storm control. 8K MAC addresses with automatic learning and aging, Port-based and MAC-based access control (IEEE 802.1X), Per-port ingress and egress mirroring and Mirroring per VLAN		
Standards Conformance	IEEE 802.3af Power over Ethernet, IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x Flow Control and Back pressure, IEEE 802.1d Spanning Tree Protocol, IEEE 802.1Q VLAN Tagging, IEEE 802.1x Port Authentication Network Control, FCC Part 15 Class A, CE	IEEE 802.3af / IEEE 802.3at Power over Ethernet, IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3ab 1000Base-T, IEEE 802.3x Flow Control and Back pressure, IEEE 802.3ad Port trunk with LACP, IEEE 802.1d Spanning Tree Protocol, IEEE 802.1s Rapid Spanning Tree Protocol, IEEE 802.1p Class of service, IEEE 802.1Q VLAN Tagging, IEEE 802.1x Port Authentication Network Control, FCC Part 15 Class A, CE	
Storage Temperature	-40 ° C ~ +80 ° C		
Weight	0.80 kg (1.76 lbs)	1.20 kg (2.65 lbs)	4.5 kg (9.92 lbs)
Wire-speed Switching	Fully non-blocking wire-speed switching performance for all frame sizes		

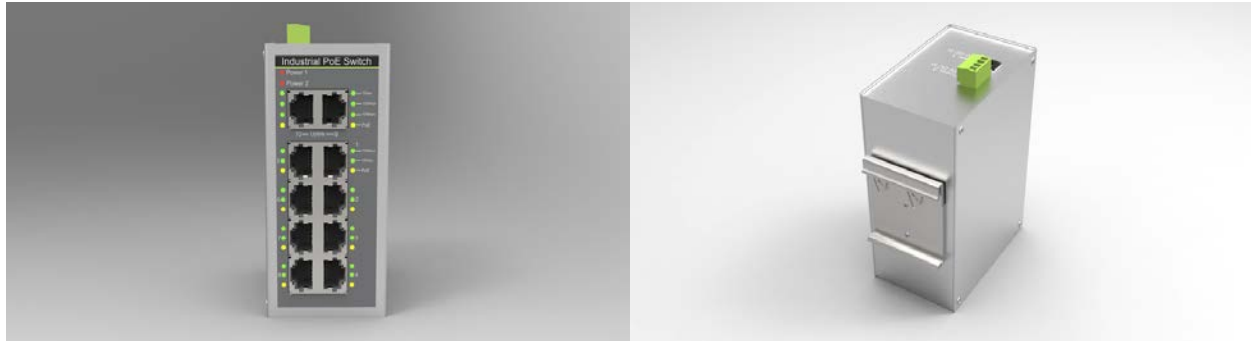


Images

NEUM0975

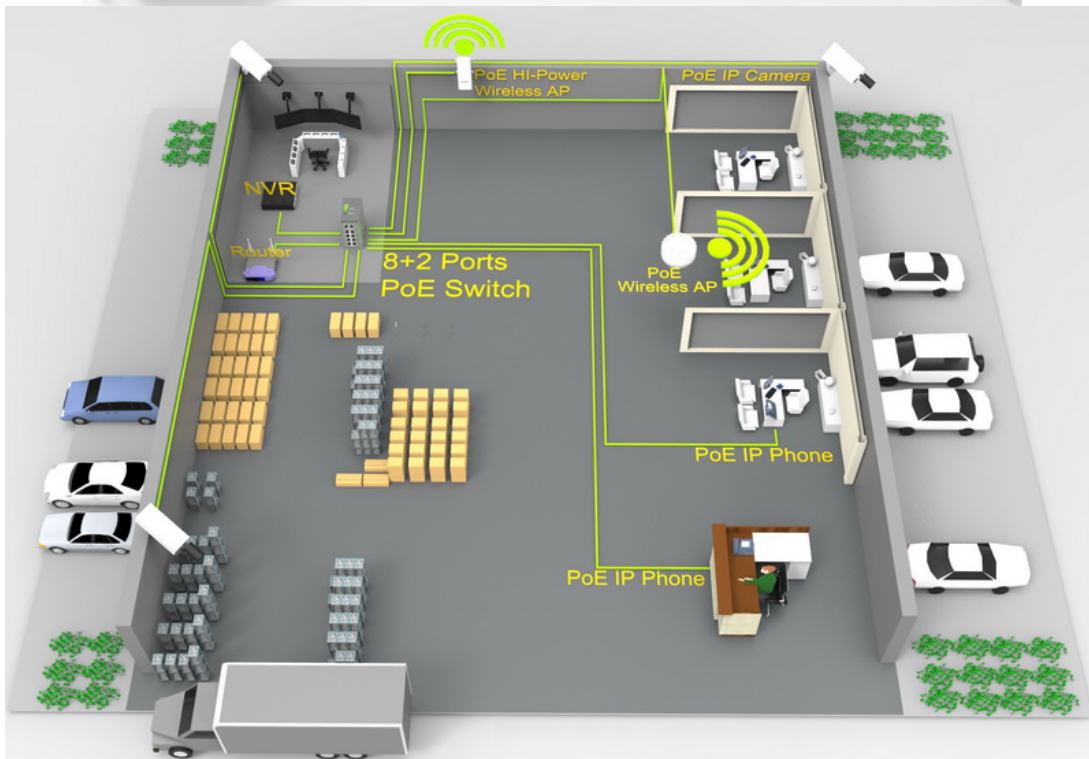
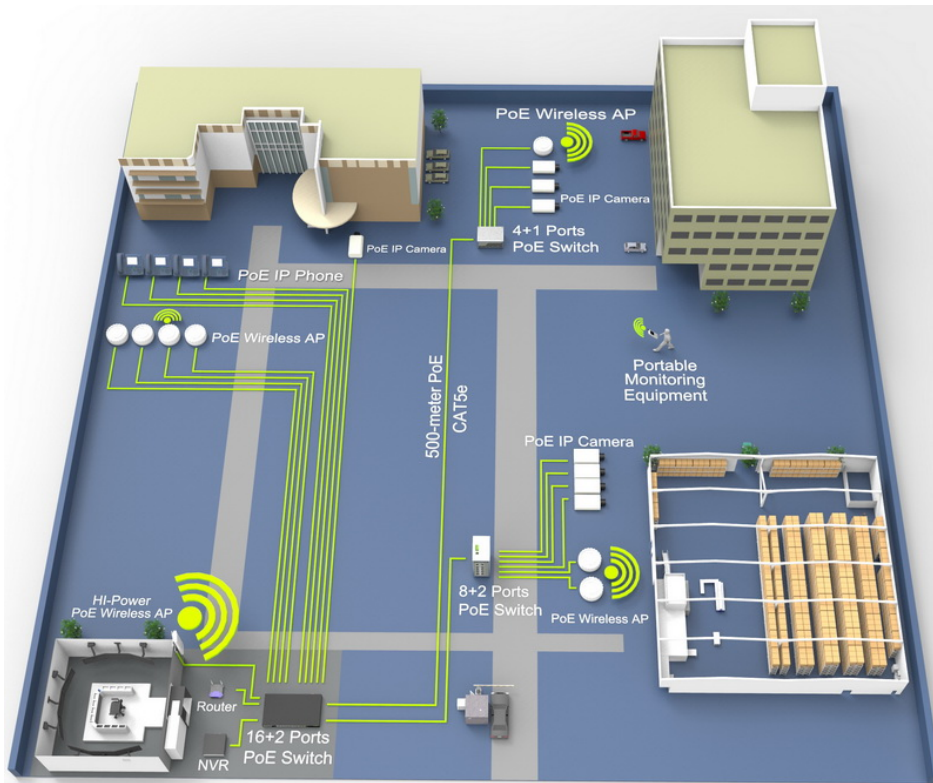


NEUM0976



NEUM0977





© 2014 Patronus Laboratories Corporation. As primarily a Research & Development company, Patronus Laboratories reserves the right to change product specifications without notice. For the latest product specifications, visit Patronus Laboratories online at www.PatronusLabs.com or contact your Patronus Labs sales representative..

