

## 16-Port 10/100/1000M + 4 SFP Rack-Mount Gigabit Web Smart Ethernet Switch



- 16-Port 10/100/1000M IEEE 802.3 af/at compliant PSE, 4 SFP Open Slots
- Full Gigabit Solution
- Rack-Mount to 19" Cabinet
- 4 Combo SFP Open Slots
- IEEE 802.1Q VLAN Tagging
- Link Aggregation and Spanning Tree
- Internal Power Supply (380 watts available)
- Supports up to 30 watts per Channel (13 ports)

**FULL POWER  
POE SWITCH**

## Plug & Play Rack Mount Style POE Switch

IN-16POEGWM is a 16-port 10/100/1000M PoE+ with 4 Combo SFP Gigabit Web Smart Ethernet Switch that is designed for the medium or large network environment. This switch installs in a standard 19" cabinet with the included rack-mount kit. The IN-16POEGWM boasts full-power, plug & play installation, and superior performance at an affordable price.

## IEEE 802.3at Power over Ethernet (PoE) Ports

Features 16 x IEEE 802.3at Power over Ethernet (PoE+) ports supplying up to 30 watts per port. This unit converts standard 90~260V/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 should be powered or only receives data through LAN cable. By adding the IN-16POEGWM switch to existing networks, installing networking products such as wireless Access Points, IP cameras, or IP phones can be easily set up and managed.

# IN-16POEGWM

## High-Speed Networking and Jumbo Frame Support

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IN-16POEGWM provides an excellent solution for expanding your Gigabit network. Using this product on your Gigabit network will provide high flexibility and high bandwidth connectivity to servers, workstations and other attached devices, and save you time when transferring large files. In addition, it also supports Jumbo Frames 9.6K to improve network utilization of large file transfers.

## Exceptionally Smart

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IN-16POEGWM provides Smart features that are ideal for simple QoS/CoS applications and basic monitoring tools to improve network efficiency. Its security and management features, such as bandwidth control and VLAN (IEEE 802.1Q VLAN tagging and port-based VLAN) help secure your network. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data and link aggregation to create fat traffic pipelines. In addition, IN-16POEGWM also supports Rapid Spanning Tree to detect and break unintentional cabling loops within the network. All of these features offer extra protection on the network edge and allows the password-protected configuration interface to be accessed remotely.

## Advanced Security

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IN-16POEGWM supports specific MAC address filtering for every port and only those identified within the system have the privilege to pass through the specific ports. It also supports IEEE802.1x port authentication.

## Enterprise-Class Web Management Utility

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With its user-friendly graphic interface, managing, planning and configuring the IN-16POEGWM Rack-mount Gigabit Web Smart Ethernet Switch is easy. The utility provides valuable tools, such as the following:

## Password Protection

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The configuration features of the Web Management utility allows the system administrator to set the IP Address, user name and the password of IN-16POEGWM.

## Monitoring List and Statistics View

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IN-16POEGWM can be easily monitored by the system administrator. When an abnormal event occurs on the switch, messages can be set to notify the system administrator.

## Feature List

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### **No Special Networking Cable Required**

When adding PoE devices, you can use an existing standard Cat.5/Cat.5e Ethernet cable without needing a new electrical outlet for each, reducing installation time and costs.

### **Auto-MDI/MDI-X**

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting IN-16POEGWM to another switch or to a computer.

### **Auto-Negotiation**

Every port can automatically sense if the connected network devices are running at 10Mbps/100Mbps/1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

### **Non-Blocking**

This switch receives and forwards traffic seamlessly with its non-blocking wire speed. Every port simultaneously supports up to 200Mbps/2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

### **Store and Forward**

Using this function, the IN-16POEGWM can maximize network performance while minimizing the propagation of bad packets.

**STANDARDS**

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX  
IEEE 802.ab 1000BaseT  
IEEE 802.3z 1000BaseSX/LX  
IEEE 802.3x Flow Control  
IEEE 802.3af PoE  
IEEE 802.3at PoE  
IEEE 802.1x Port-based Network Access Control  
IEEE 802.1Q VLAN  
IEEE 802.3ad Link Aggregation  
IEEE 802.1d Spanning Tree Protocol  
IEEE 802.1w Rapid Spanning Tree Protocol  
IEEE 802.1p Class of Service, Priority Protocols

**FEATURES**

RJ-45 Ports: 16  
SFP Open Slots: 4  
MAC Address: 8K  
Buffer Memory: 500K Bytes  
Jumbo Frames: 9.6K  
Transmission Method: Store and Forward

**SMART FEATURES**

VLAN: 16  
Tagged VLAN: 16  
VLAN ID: 1~ 4094  
Trunk Groups: 8  
Quality of Service: up to 4 queues  
IGMP Snooping  
LACP, RSTP  
MAC Filtering  
Rate Limiting (Ingress rate and Egress rate)  
802.1x Port-based Network Access Control  
Management: Port Mirroring, Password-protected Access, Port Settings, Web-base Management and Graphic User Interface

**TRANSMISSION MEDIA**

10BaseT Cat. 3, 4, 5 UTP/STP  
100BaseTX Cat. 5 UTP/STP  
1000BaseT Cat. 5E UTP/STP

**LED INDICATORS**

Per Port: Link/Act, PoE: Act/Status  
Per Unit: Power

**POWER REQUIREMENTS**

100~240V/AC, 50~60Hz

**SUPPLY POWER UP TO**

390 Watts (Max)

**DIMENSIONS**

440 × 330 × 44 mm (L x W x H)

**WEIGHT**

4.1 kg

**OPERATING TEMPERATURE**

0 to 45°C

**STORAGE TEMPERATURE**

-20 to 90° C

**HUMIDITY**

10 to 90% RH (non-condensing)

**CERTIFICATION**

FCC Class A, CE

**WARRANTY**

2 Years

**FOR MORE  
INFORMATION,  
PLEASE CONTACT:**

8272 PASCAL-GAGNON  
SAINT-LEONARD, QUEBEC  
CANADA, H1P 1Y4

Tel: +1 (514) 648-6648

Fax: +1 (514) 667-0745

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