

# Vi30005W

## MaxiiNet™ 5-Ports 1G (1000Mbps) IP67 PoE Powered Switch PRELIMINARY

### Features

- 100/1000Mbps network speeds, auto sensing RJ45 port
- 5-port PoE and Layer 2 network switch
- IP 67 weatherproof/Waterproof
- 6Kv surge protection
- Certified for IEC600068-2-52 for salt laden environments
- Can be powered from a remote PoE source to provide PoE power to all 4 ports
- Up to 37W PoE per port, capable of combing each 2-ports for up to 74W
- Intelligent power sensing automatically allocates port power based on the number of connect ports and individual camera power requirements
- Automatic PoE port priority allocation
- Over current shut down protection if allocated PoE budget is exceeded
- Certified (MPC™) high data rate for virtual loss free transmission of cameras
- Type tested to RFC 2544 TCP/IP network bandwidth packet transmission standards
- Type tested for -40°C to +75°C operating temperature range
- Complies with major IEEE standards and RFC network protocols for UTP, TCP/IP, HTTP/HTTPS
- Provides full Layer 2 network switch functionality



### Applications

- Connects multiple high megapixel and 4K cameras to single cable runs to reduce installation costs
- Perfect solution for multi-imager cameras that required high bandwidth
- Connects multiple network switches to reduce bandwidth restrictions and single point of failure potentials
- Provides PoE power source for 60W cameras
- Perfect solution for sourcing multiple input of averaging up to 250 cameras for single view and recording locations
- Cost effective solution for multiple cameras transmission between buildings, parking lots, garages and perimeter fence applications for running hundreds of cameras on single cable run
- Prevents packet and bandwidth loss for transmitting high megapixel cameras

Vigitron's MaxiiNet™ Vi30005W fixed managed 5-port 1000Mbps PoE switch brings new performance standards to the growing need for high speed transmission of high speed Ethernet. Local power is eliminated for the Vi30005W and the connected cameras. IP67 construction provides weatherproof and waterproof protection.

The Vi30005W can be powered by PoE sources up to 74W or locally by the Vi1120 to supply 802.3at, up to 37W to each port or up to 74W for two combined ports. The Vi30005W can be both powered by remote PoE through the uplink port and provide PoE to each of the four remaining ports.

With an operating temperature range of -40°C to 75°C, the Vi30005W is the perfect solution for data and power transmission for warehouses, parking lots, campuses, casinos, and many more. The Vi30005W is MegaPixel Certified (MPC™), type tested to network packet performance standards, and major manufacturer compatibility tested to assure you of quality and error free operations. Fixed managed L2 functions include 802.1p Qos, support of 2k MAC addressing, learning, aging, and a non-blocking switch fabric. Installation cost savings, proven performance, and major camera manufacturer compatibility all go into making Vigitron's MaxiiNet™ Vi30005W an ideal solution for standard distance data and power transmission.



The Smart Choice for Transmission Solutions

[www.vigitron.com](http://www.vigitron.com)

# Technical Specification\*

## Electrical

Ethernet Interface	Standard 100BaseT/1000BaseT/1000BaseFX 1000BaseT SFP
UTP	100 Ohm +/- 20%, up to 328 ft. (100m)
Power Source	PoE: 802.3af (15.4W), 802.3at (30W), 60W External Power Supply: 57VDC @ up to 120W or 12VDC @ 1A (non-PoE operation)
Connectors	RJ45 X 5 2 Pin Circular DC
Surge Protection	6Kv
RFC	2544 TCP/IP Packet Transmission
RFC	768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
PoE Compatibility	IEEE 802.3af, IEEE 802.3at, 74W High power PoE
Jumbo Frame	Up to 9,600 bytes

## Regulatory

FCC	Part 15, Subpart B, Class B 2010
Emissions	EN 5502:2006+A1:2007 EN 61000-3-2:2006+A1:2009+A2:2009 EN 55024:1998+A1:2001+A2:2003
Safety	CE
Environmental	RoHS, WEEE

## Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: -40°C to +75°C per NEMA-TS2 testing** Storage: -40°C to +85°C
Environment	IEC60068-252 Salt Laden

## Mechanical

Dimensions	1.84x5.42x6.61 in., 4.67x13.8x16.8 cm (HxWxL)
Weight	2.06lbs (934g)
Housing	Aluminum

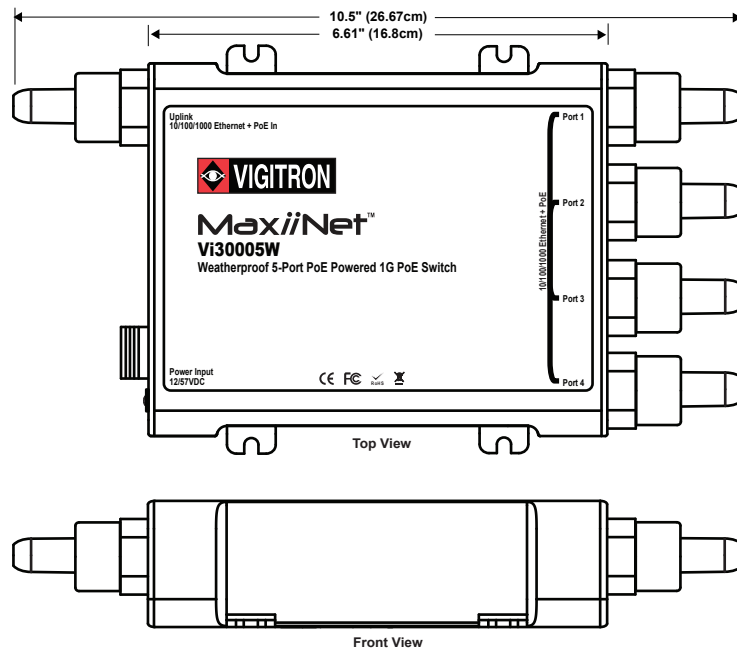
## Optional Accessories

Vi1120:	57VDC, 120W Power Supply
Vi0017:	48VDC, 40W Power Supply
Vi0012:	12VDC 1A Power Supply for non-PoE operation
Vi0015:	Combiner Cable for 74W Operation

\*\*Vigtron "W" are designed as self contained to comply with specific environmental standard. Operating in conditions other than free air with proper ventilation will affect performance and may void warranty.

## Ordering Information

PART No.	Description
<b>Vi30005W</b>	<b>5-Port IP67 1G PoE Powered/PoE Switch</b>
<b>Vi0012</b>	<b>12VDC @ 1 Amp for non-PoE Applications</b>
<b>Vi1120</b>	<b>120W @ 56VDC Power Supply for 60W PoE Applications</b>



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# Application Diagrams

