Vi30208U

Hardened Managed 8-Port, L3 Lite, 1G Industrial 802.3bt 90W PoE Ring Switch

Features

- 4 x 1G PoE copper, 2 x independent copper, 2 x 1G/2.5G independent Fiber uplink ports
- Jumbo frame programing at all bandwidth settings
- 90W IEEE 802.3bt compliant PoE on 6 ports, 480W Max PoE budget
- Dual power input for back up power supply
- Operating temperature range -40ºC to +75ºC
- PoE Port monitoring, auto recheck, and start up delay
- G.8032 V1/V2 Rapid Ring protocol compliant
- Built in 6kV port surge protection
- 22.Gbps switch fabric for highest MP camera handling
- Programmable port connection monitor with automatic link and PoE reconnection
- LLDP and ACL connection status identification
- Unique TimeZone reference for setting system synchronization
- Programmable Port Temperature settings
- Detailed Syslog with Health status messaging

Applications

- Transit vehicles and stations
- Upgrading existing systems with newer cameras
- Schools and Offices building, manufacturing buildings
- IDF/MDF applications

4K UHD | 90W bt PoE | MPC™ | HRD™ | Ring

Description

Vigitron's Vi30208U is a high-performance, high-power PoE switch designed for seamless integration and efficient power delivery. Up to 6 copper ports support IEEE 802.3af/at/bt Class 0-8 PoE, providing up to 90W per port, with a total PoE budget of 480W. Additionally, it is compatible with some non-standard PoE devices up to 74W, making it the perfect solution for powering cameras from various manufacturers and upgrading existing systems with devices requiring newer PoE types.

The Vi30208U it has 2 uplink UTP and 2 uplink fiber ports that offer independent connections for maximum system integration. A unique TimeZone program setting syncs system time with connected devices, eliminating the need for external NTP servers. The Vi30208U also monitors port connections and automatically re-applies PoE if a connection is lost, minimizing service disruptions. With a 22 Gbps switch fabric and high internal bandwidth, it is ideal for MDF (Main Distribution Frame) applications, connecting to remote switches. It is also compliant with G.8032 V1/V2 Rapid Ring protocol for enhanced network redundancy and reliability.

The Vi30208U is the ultimate PoE switch for demanding applications, delivering robust power and seamless connectivity for your network infrastructure. It supports a wide range of PoE devices, including PoE cameras and other network equipment, and is compatible with newer PoE types, ensuring your network can adapt to evolving technology. Smart PoE reconnection and time synchronization features enhance system stability and reduce downtime. High-performance switching and flexible connectivity options optimize network infrastructure.

The 30208U high internal bandwidth and is the perfect MDF solution to connect to remote switches.

- 480W PoE budget with IEEE 802.3af/at/bt up to 90W PoE per port.
- 2 x1G/2.5G fiber uplink ports
- 22 Gbyte switch fabric
- G.8032 V1/V2 Rapid Ring protocol compliant

†2.5Gbps limited to Fiber ports only

VIGITRON

The Smart Choice for Transmission Solutions   www.vigitron.com

Technical Specification*

Electrical

Ethernet Interface	Standard: 10/100/1000BaseT Copper Ports
Uplink	2 x Independent 100/1000Mbps Copper, 2 x Independent 1G/2.5G Fiber
Data Ports	6 Copper ports
Packet Size	9600 @ 100Mbps/1000Mbps/2500Mbps
Bandwidth Sensing	MDI/MDIX
Switch Fabric	22GB
Surge Protection	6KV
Input Power	48-57VDC @ 490W Max
PoE Output	Port 1-6, 802.3af/at/bt complaint up to 90W Max.per port, Compatible to most non standard high power PoE
PoE Budget	480W
Power Consumption	6W Standby
Status LEDs	Power : Red LED System : Red LED Link/Activity: Orange (Ports 1-6) Data rate: Green(ON for 1G) Link/Act Orange PoE : Green Active Fiber Link : Green LED
Connectors	Standard Ethernet : 6 x RJ-45 Connectors Console : 1 x RJ45 Fiber Optics : 2 x MSA compliant SFP Connector Power : 6-pin detachable terminal blocks Alarm Output : 6-pin Terminal block
RFC	2544 TCP/IP Packet Transmission 768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
ESD Protection	6KV
Surge Protection	6KV, Differential
PoE Compatibility	IEEE 802.3af/at/bt Class 0-8
Ring protocol	G.8032 V1/V2 <=50ms

Regulatory

FCC Emmisions	Part 15, Subpart B, Class B 2010 EN 5502:2006+A1:2007 EN 61000-3, EN55032, EN55035, EN50155 2:2006+A1:2009+A2:2009
Safety	LVD CE, EN 62368 (Replacing EN60950-1)
Environmental	RoHS IEC60068-2-32 (Free Fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
WEEE,	Article 11 – Anex V Directive 2012 2012/19/EU

Environmental

Temperature	Operating: -40°C to +75°C Storage: -40°C to +80°C
Humidity	0 to 90%, non-condensing

Mechanical

Dimensions	2x6.6x4.4 in., 5x16.8x11 cm (HxWxL)
Weight	1.9 lb, 862 g
Mounting	Desktop, DIN Rail
Material	Aluminum

Accessories

DIN Rail Adapter Mounting Adapter
Desk Mount Brackets
Console Cable
USB Memory with Operations Manual

Optional Accessories

Vi1120	120W/56VDC Desktop Power Supply
Vi10120	120W/56VDC DIN Rail Power Supply
Vi10240	240W/56VDC DIN Rail Power Supply
Vi10480	480W/56VDC DIN Rail Power Supply

Ordering Information

Part No.	Description
Vi30208U	Hardened 8-Port Industrial 90W PoE Ring Switch

Related Products

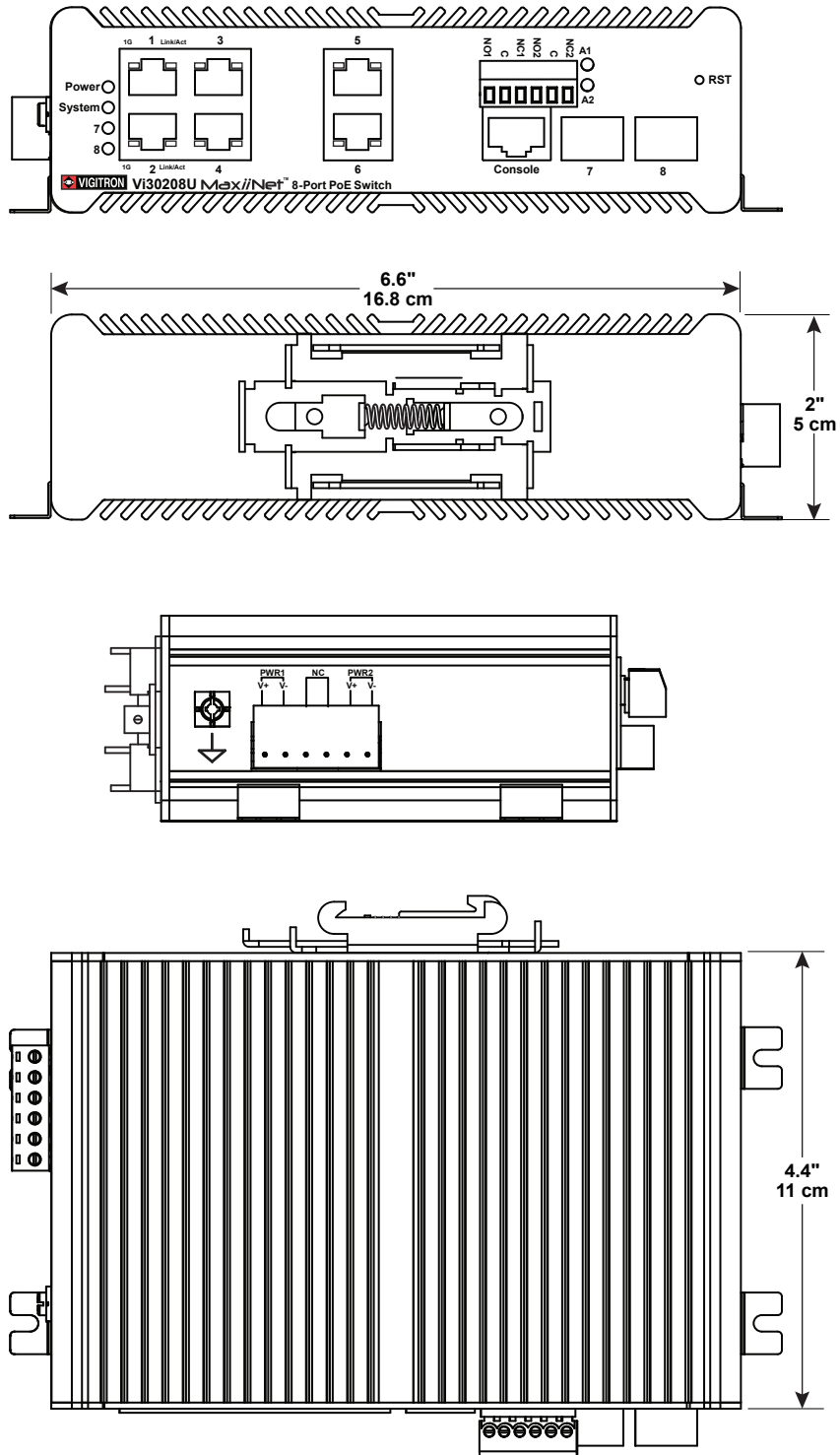| Part No.	Description
Vi30210U	Hardened 10-Port Industrial 90W PoE Ring switch
Vi10120	DIN Rail 120W/56VDC Power Supply
Vi10240	DIN Rail 240W/56VDC Power Supply
Vi10480	DIN Rail 480W/56VDC Power Supply

*Specifications subject to change without notice.

Mechanical Drawings

6.6"
16.8 cm

2"
5 cm

4.4"
11 cm

Application Diagrams

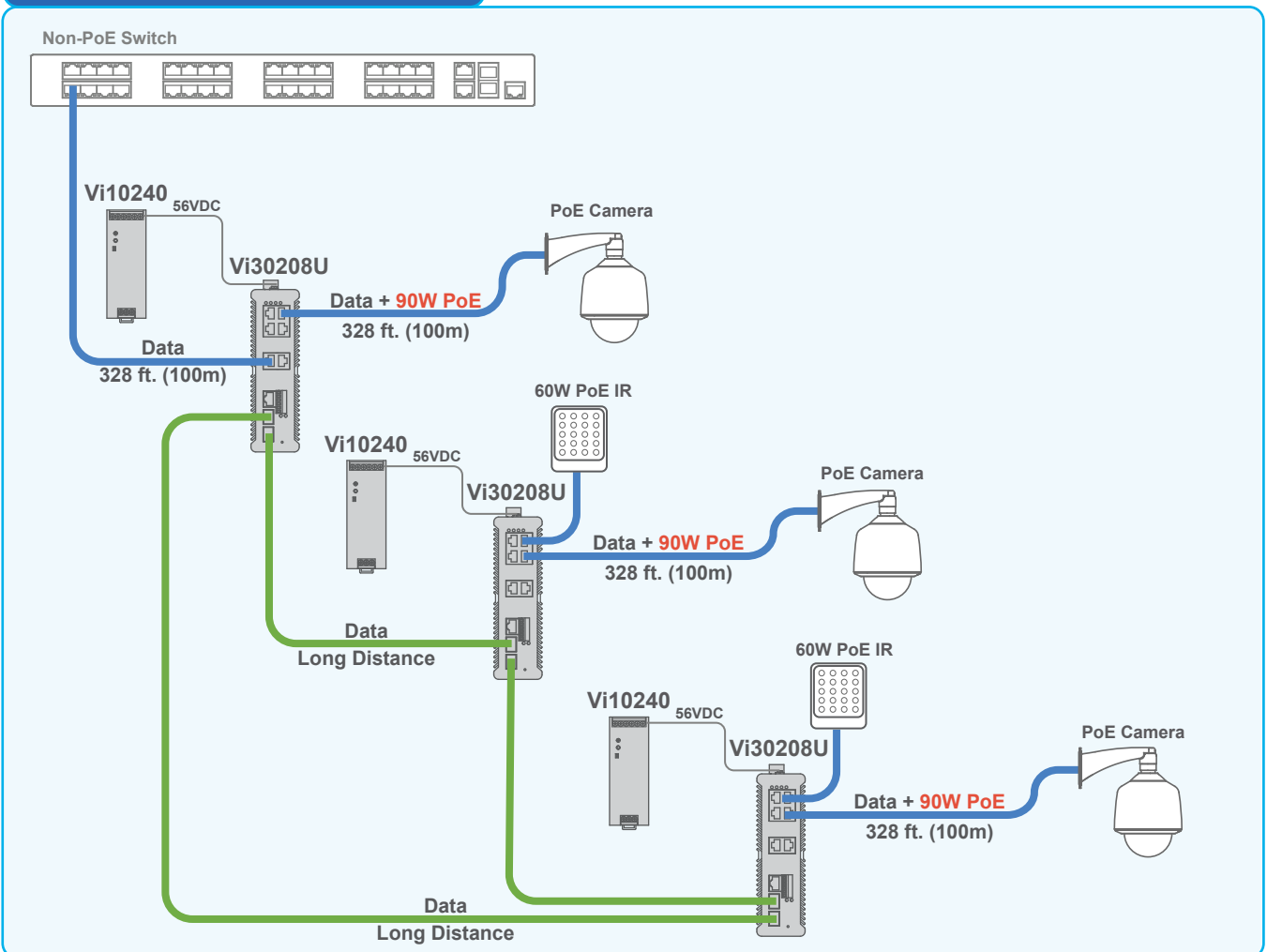## Powering High Power PoE Cameras
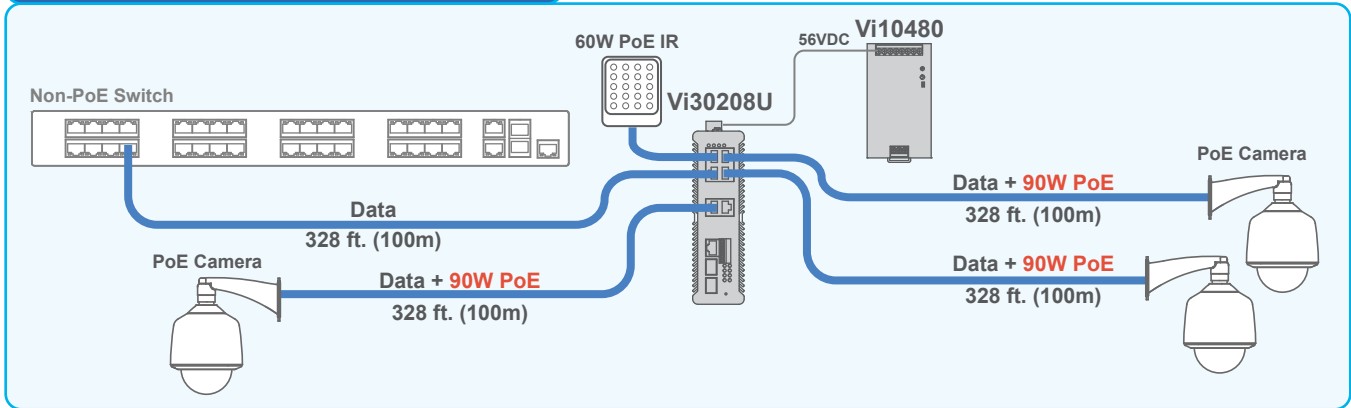
The Vi30208U and Vigitron Hardened power supplies can power multiple high power PoE PTZ Cameras up to 90W.

The Ring Network Configuration

Multiple Vi30208Us can be used in a Ring Network configuration to increase ther eliability of the network.