MaxiiPower™

Vi22701U

90W, 2.5G PoE Splitter w/12/16/24/48VDC Output

Features

- Provides both PoE and 12/16/24/48 VDC for powering non-PoE devices
- Compatiable with 10/100/1G/2.5G Base-T Ethernet
- Cost effective solution for powering both IP cameras, security and emergency phones and lighting systems
- Convert PoE power to 12/16/24/48 VDC up to 70W
- Compatible with IEEE 802.3af/at /bt up to 90W PoE sources
- Maintains IP data throughput and PoE

Applications

- Powering IR lights
- Powering emergency response call box phone system
- Powering emergency response lighting alerts
- Powering telephone and alarm systems requiring DC power

The Vi22701U is a 2.5G Power-over-Ethernet (PoE) splitter designed for hybrid network architectures requiring simultaneous PoE data delivery and regulated DC power output. The unit provides PoE on the data output port while supplying 12/16/24/48VDC (up to 70W) to auxiliary devices, enabling support for mixed PoE and non-PoE loads from a single PoE input.

The Vi22701U is compatible with IEEE 802.3af/at/bt high-power PoE sources up to 90W, while maintaining full Ethernet data transparency. A side-mounted voltage selector switch allows installers to configure the unit for 12/16/24/48VDC output, ensuring proper power budgeting based on upstream PoE source capability and connected load requirements.

The Vi22701U is engineered for deployment in extended-temperature environments and is suitable for both indoor and outdoor installations. It is particularly effective in applications such as IP PTZ dome cameras, where PoE is used for network connectivity and primary camera power while regulated DC output supplies auxiliary subsystems including heaters, blowers, or IR illuminators.

The Vi22701U enables efficient power distribution, reduces the need for local power supplies, and simplifies cabling in security, public safety, transportation, and industrial network deployments.

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100/1G/2.5G Base-T
Power Consumption	Based on input power
Power Input	PoE IEEE 802.3af/at/bt or High Power up to 90W
Power Output	DC Output: 12/16/24/48VDC up to 70W PoE output: IEEE 802.3af/at/bt up to 76W Maximum power output depends on total PoE and DC output
Connections	Input Data + PoE: RJ45 Output Data + PoE: RJ45 Power Out: 4-pin Detachable Terminal Block
Status LEDs	PoE Input: Orange PoE Output: Orange 12/16/24/48VDC Output Available: Green
Data Interfaces and Compliances	RFC 768 UDP, RFC 2068 HTTP RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission
PoE Compatibility	IEEE 802.3af/at/bt all classes up to 90W sources
DC Output	12/16/24/48VDC Switch Selectable

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0% to 90%, Non-condensing
Temperature	Operating: -40°C to +70°C Storage: -50°C to +85°C

Mechanical

Dimensions	1.36x4.8x3.3 in., 34.5x12.2x8.4 cm (HxWxL)
Weight	0.78 lb, 350 g
Material	Extruded Aluminum

Accessories

DIN Rail Adapter

Wall/Desk Mount adapter

*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi22701U	90W, 2.5G PoE Splitter w/12/16/24/48VDC Output

Related Products

Part No.	Description
Vi22201	IEEE802.3at,12/24VDC DC PoE Splitter
Vi22301	IEEE802.3at,bt 12/24VDC DC PoE Splitter

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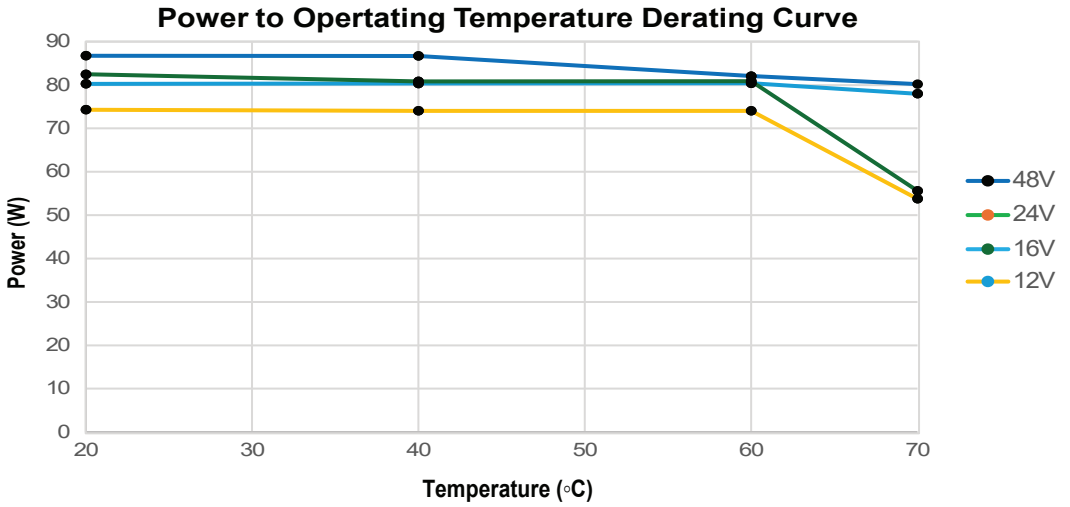
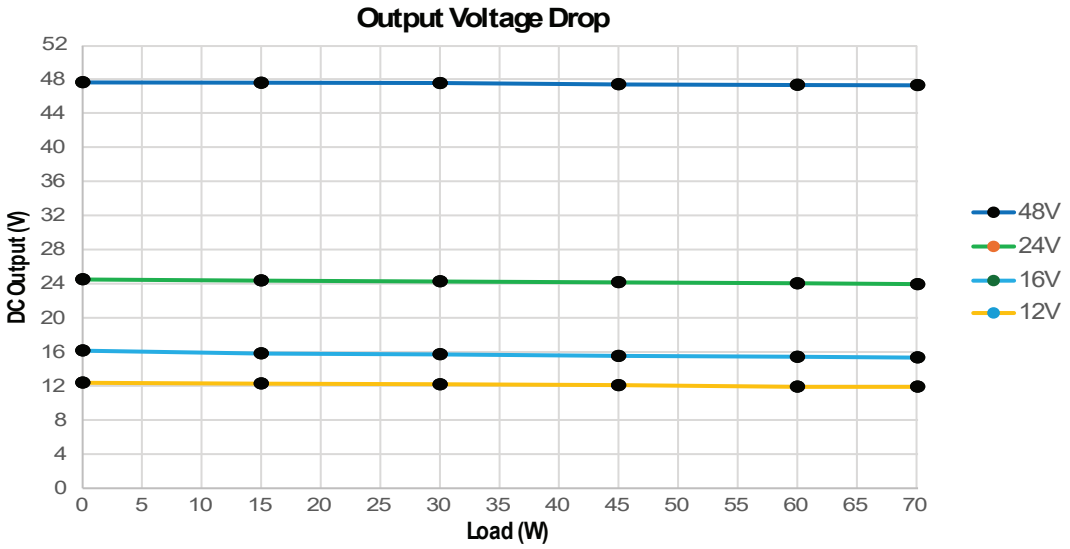
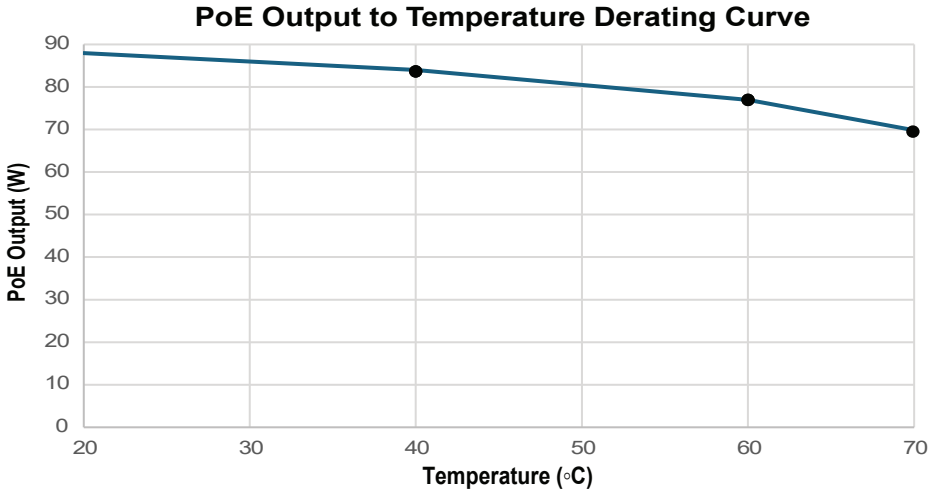
Technical Specification*







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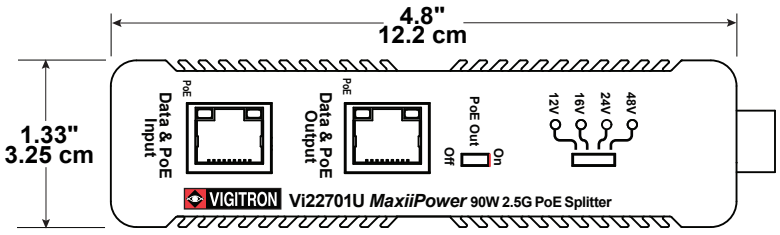
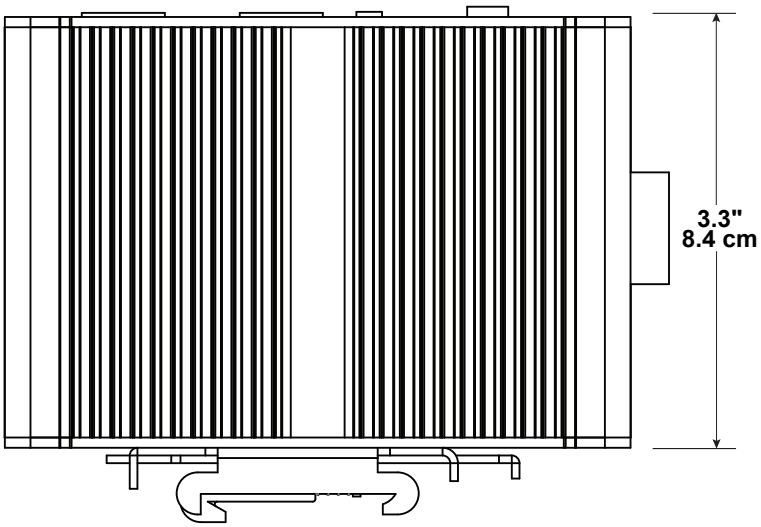
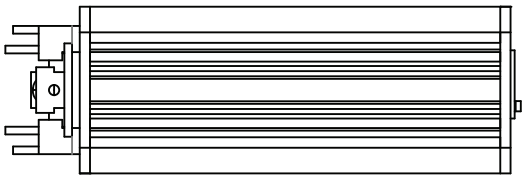
Mechanical Drawings



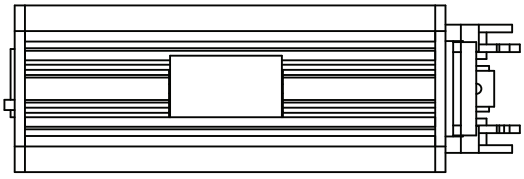
Front View



Top View



Left View



Right View

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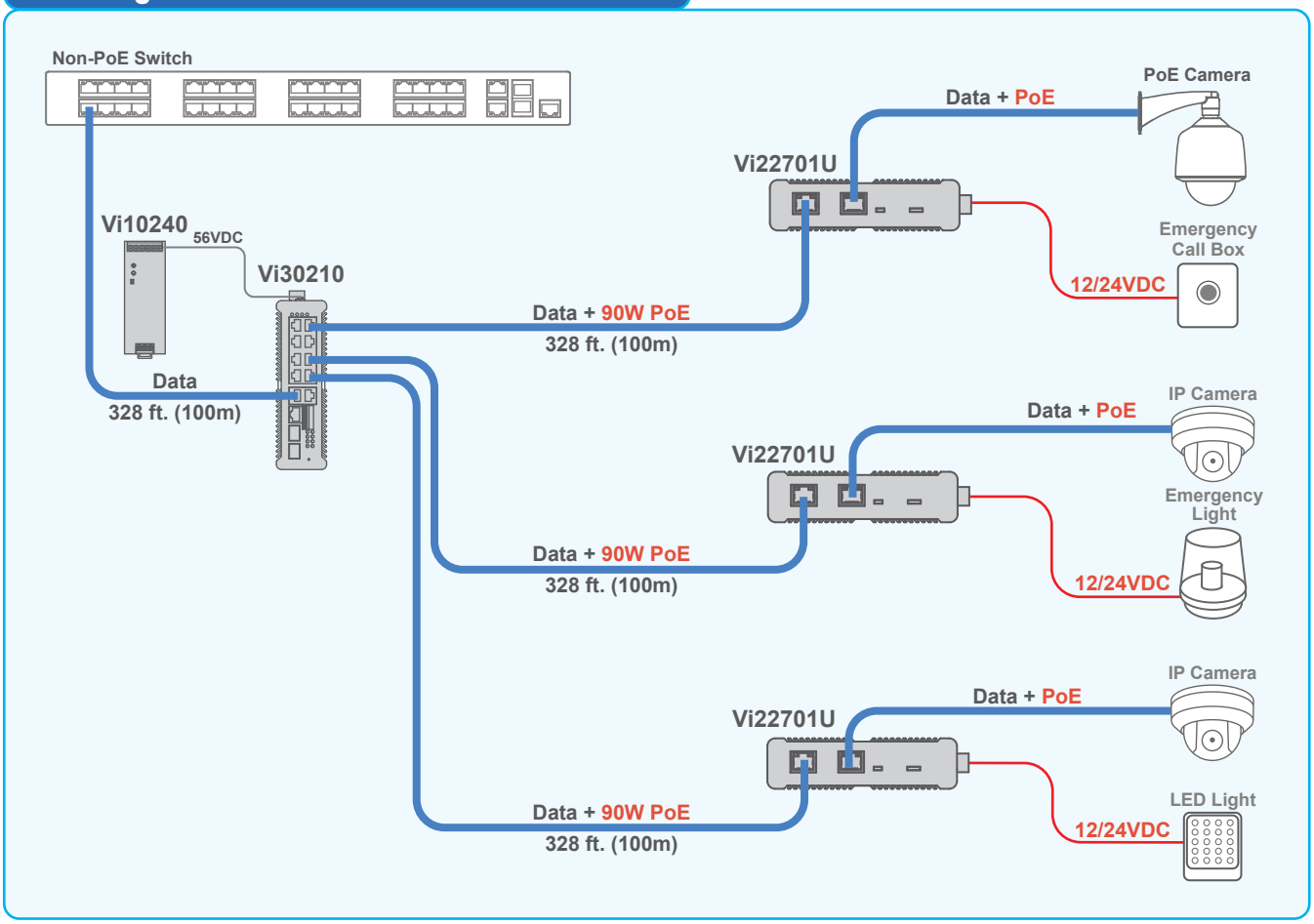
Application Drawings

Powering PoE and non-PoE devicesdistances



The Vi22701U can power a wide range of PoE devices while providing 12/16/24 or 48VDC to non-PoE devices.

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