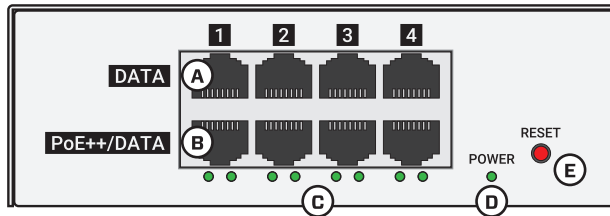# CE-PS400POE Install Guide

WARNING:

- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. Do not install power supplies in places with high moisture or near water.
- This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.
- For Indoor Use Only!

- Risk of electrical shock and/or equipment damage. Disconnect power before servicing this appliance.
- Do NOT use a cross-over cable between the PoE++/DATA port and the connected device! Use only matching type Straight Through cabling.
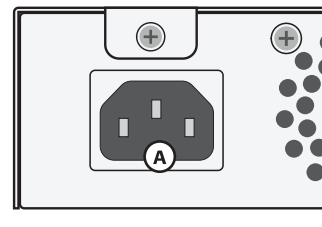
The CE-PS400POE is a IEEE 802.3 bt PoE++ Injector that is capable of powering four network devices, delivering up to 90W @ 42.5~75VDC power per connected device. This is an ACTIVE PoE Injector, meaning it negotiates the IEEE 802.3af/at/bt standard before delivering power. Connecting it to a laptop or other non-PoE device is SAFE for the network card on your device.
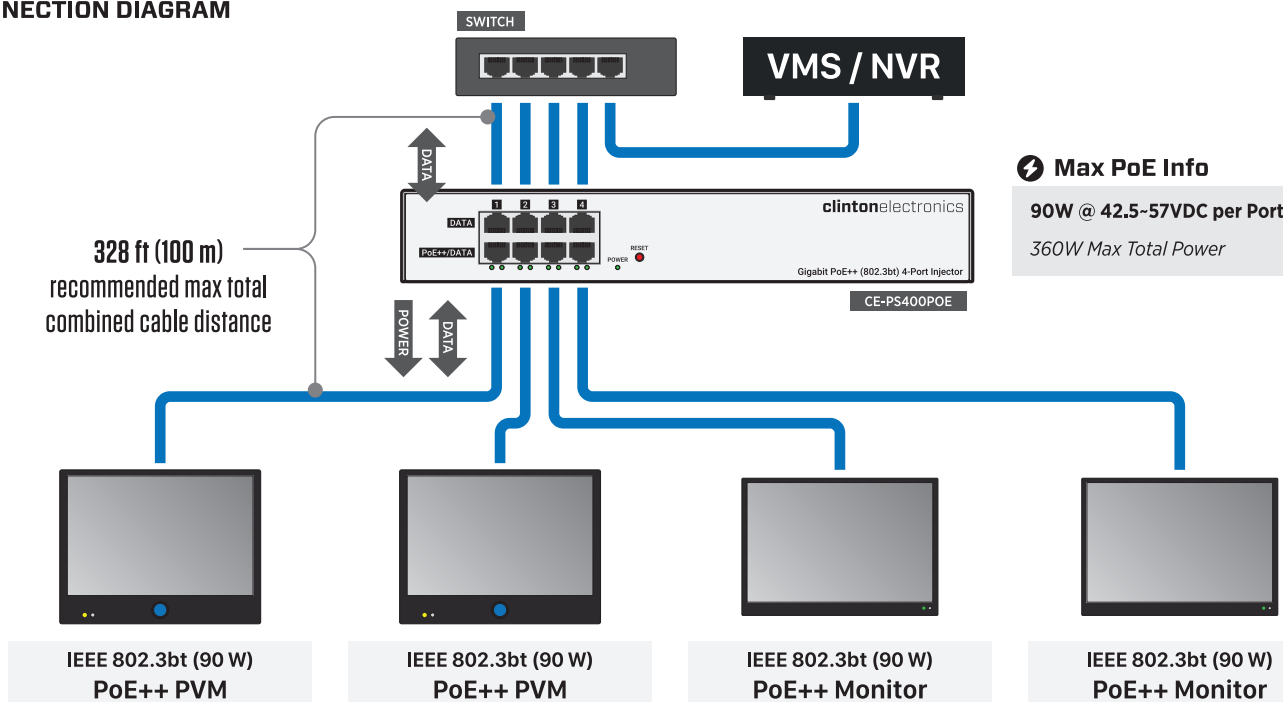
HARDWARE DESCRIPTION

A. **DATA:** Data Input (Connection from Switch).

B. **PoE++/DATA:** PoE power and Data Output (Connection to Powered Device). Max 90W @ 42.5~57VDC Output per Port.

C. **RJ45 Status LEDs:** Illuminate Green when a Powered Device is connected.

D. **Power Status LED:** Illuminate Green when AC Power is applied.

E. **RESET:** Press and release to power-cycle the Injector.
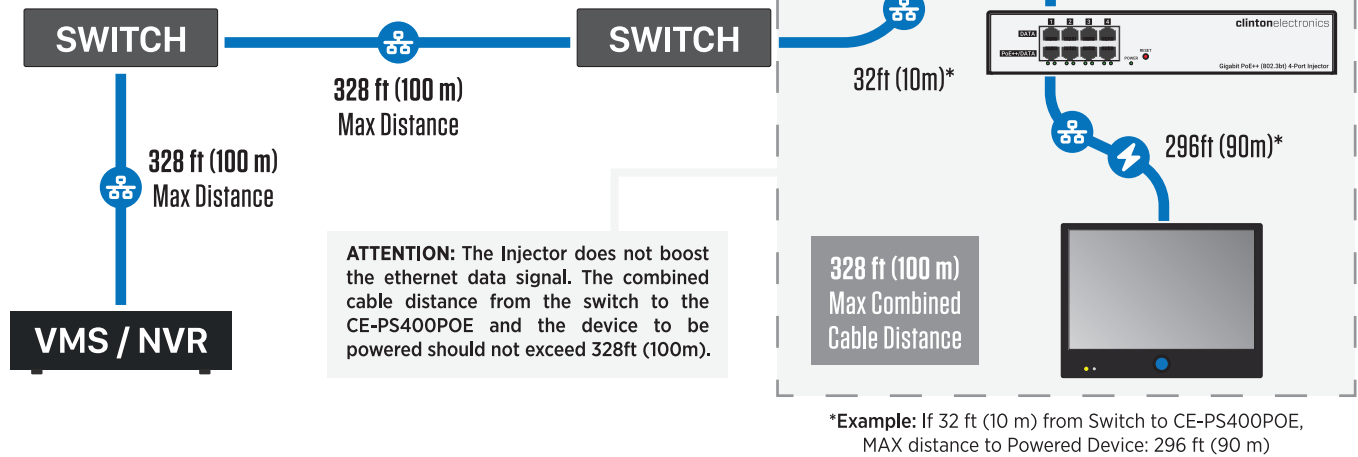
A. **AC Power Input:**

BASIC INSTALLATION:

1. Connect CAT5e/CAT6 cable from network switch to connector on CE-PS400POE marked **DATA**.

2. Connect CAT5e/CAT6 cable from network PVM, Monitor or other network device to connector on CE-PS400POE marked **PoE++/DATA**.

3. Connect the supplied AC power cord from PoE Injector to main power source.

   - During boot-up the LEDs should illuminate GREEN if proper power and PoE connections have been made. If LED indicators are not illuminated check cable connections.

CONNECTION DIAGRAM

SWITCH

VMS / NVR

⚡ **Max PoE Info**

90W @ 42.5~57VDC per Port

360W Max Total Power

328 ft (100 m) recommended max total combined cable distance

clintonelectronics

Gigabit PoE++ (802.3bt) 4-Port Injector

CE-PS400POE

IEEE 802.3bt (90 W)
PoE++ PVM

IEEE 802.3bt (90 W)
PoE++ PVM

IEEE 802.3bt (90 W)
PoE++ Monitor

IEEE 802.3bt (90 W)
PoE++ Monitor

LONG DISTANCE EXAMPLE

SWITCH

328 ft (100 m)
Max Distance

SWITCH

328 ft (100 m)
Max Distance

VMS / NVR

ATTENTION: The Injector does not boost the ethernet data signal. The combined cable distance from the switch to the CE-PS400POE and the device to be powered should not exceed 328ft (100m).

32ft (10m)*

296ft (90m)*

328 ft (100 m)
Max Combined
Cable Distance

***Example:** If 32 ft (10 m) from Switch to CE-PS400POE,
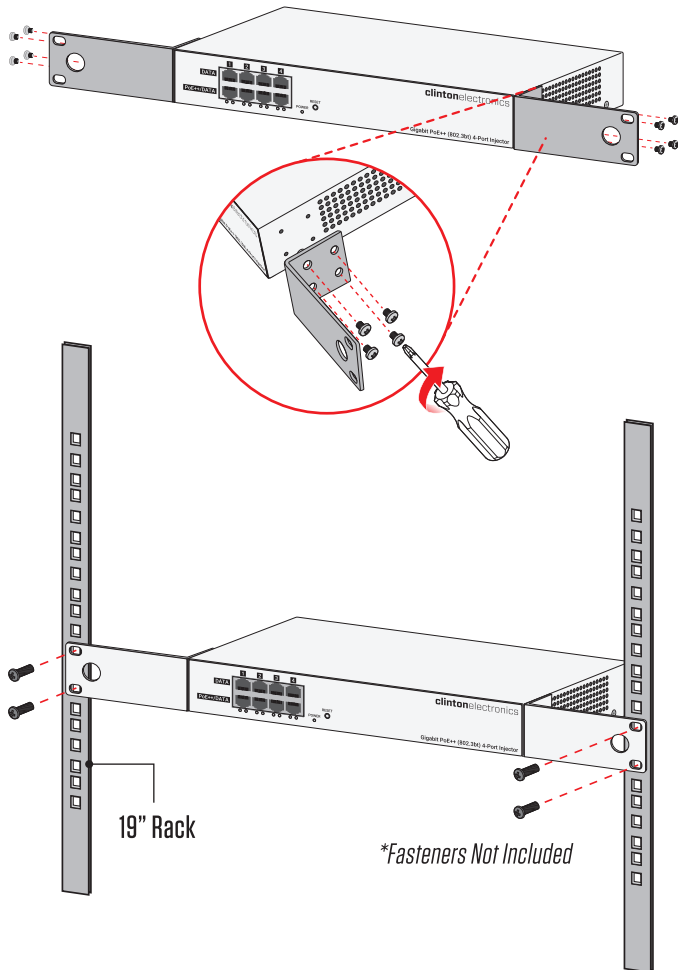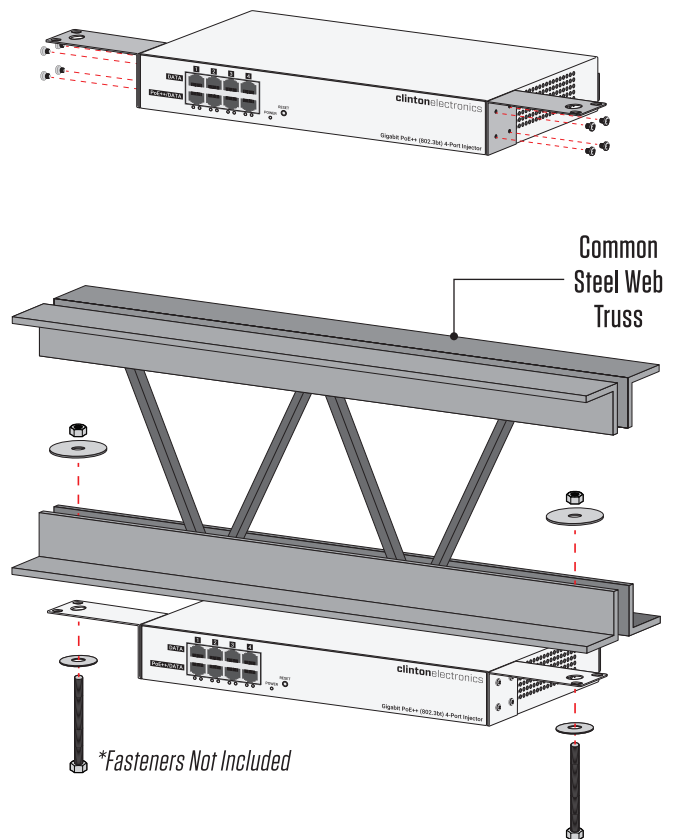MAX distance to Powered Device: 296 ft (90 m)

19" RACK INSTALL:

1. Connect the included rack mount brackets to the CE-PS400POE using the included M3 Phillips-head screws as indicated below.

2. Install the Injector into 19" rack (1U of space required) using appropriate screws. Rack mount fasteners not included.

3. Make cable connections as detailed in 'BASIC INSTALL' section of this document.

19" Rack

*Fasteners Not Included

CEILING TRUSS INSTALL:

1. Connect the included rack mount brackets to the CE-PS400POE using the included M3 Phillips-head screws as indicated below.

2. Install the Injector onto ceiling truss structure using appropriate sized fasteners. Ceiling fasteners not included.

3. Make cable connections as detailed in 'BASIC INSTALL' section of this document.

Common
Steel Web
Truss

*Fasteners Not Included

ATTENTION! Installation of the injector onto ceiling structure is to be performed by a qualified installer who is familiar with local building codes for attaching devices to the structural ceiling members.