

**PCN:** PCN001  
2019

**Date:** 21 January

**Overview:**

The Pharos POE (Power Over Ethernet Switch) is being revised to increase port count and functionality.

**Change Type:**

Additions

**Description of Changes:**

1. Additional Non-PoE Ethernet Port

A second standard Ethernet port has been added to the device, increasing the connections to 4x PoE capable ethernet ports and 2x Non-PoE capable ethernet ports.

2. Changes to Status LEDs:

- Ethernet LED changed to Ethernet 1

With the addition of a second Ethernet Port, the Ethernet LED has been renamed and only relates to Ethernet Port 1

- Addition of Ethernet 2 LED

The additional Ethernet port has a specific status LED for monitoring

- Removal of Error LED

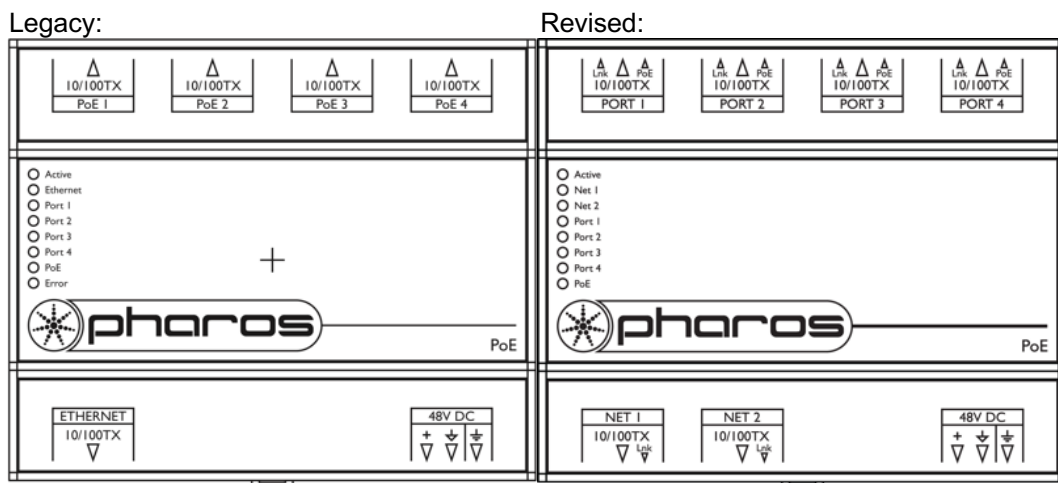
The functionality of the Error LED is now provided on a per-port basis on the Link/Data LEDs on the port itself.

3. Additional overcurrent protection on PoE ports.

Class specific overcurrent protection has been added such that PoE devices shouldn't receive a greater current than is required. The POE detects the class of the device to set the correct protection.

4. Further Class Support

The legacy POE supported IEEE 802.3af Class 1 and Class 2 PoE devices and this revision will additionally support IEEE 802.3af Class 3 and IEEE 802.3at Class 4 (Type 2) devices.



**Serial Numbers Affected:**

Serial Numbers for the revised units will begin with 021xxx.

**Ordering and delivery**

The order code "POE" remains unchanged. As this revision only features specification enhancements, supply will transition seamlessly to the revised device, depending on availability. Orders placed for the legacy POE may therefore be fulfilled with the revised device. Where a distinction is required in future for documentation purposes, the legacy device will be referred to as "POE rev1" and the revised device as "POE".