1. Overview

The MX-6p-PoE is a (6) port switch with (4) ports of 10/100BaseTX (with PoE) and (2) 1 GB SFP ports. The SFP ports may be optical 1000BaseX or copper 1000BaseT.

Below is a diagram which illustrates how to adapt one of the SFP ports to interface with 10/100BaseTX devices. This enables the MX-6p-PoE to effectively provide (6) 10/100BaseTX ports and (1) 1GB SFP optical port.

An MX-48-LX-PoE (3) port switch is used to provide the interface. The MX-48-LX-SC-PoE copper ports operate at triple speed 10/100/1000BaseT. Therefore, these copper ports can connect to 100BaseTX devices. The MX-48-LX-SC-PoE optical I/O operates at 1 GB which is compatible with the MX-6p-PoE 1GB SFP ports.

As shown below, the 10/100BaseTX IP devices connect to the MX-48-LX-SC-PoE copper ports which will connect up at 10/100BaseTX. The optical I/O in the MX-48-LX-PoE-SC fiber port connects to the 1GB optical SFP port on the MX-6p-PoE and connects up at 1GB (1000BaseX).

Additionally, PoE power to the 10/100BaseTX IP devices is available since the MX-48-LX-SC-PoE model is utilized.

2. Detail