

# Quad Port Module Insertion, Magnum<sup>®</sup> QS580, QS5108, QS5116 Q-Series Fiber Switches

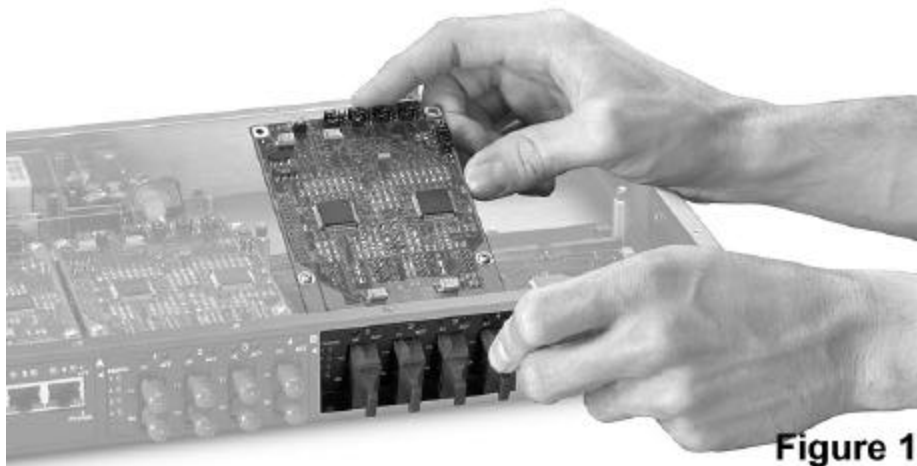
**Caution:** *Make certain that the power cord is unplugged before installing or removing port modules.*

Also, please use proper electro-static discharge (ESD) measures when handling the quad port modules (QPM). The quad port modules (like most electronic equipment) are sensitive and are subject to damage by excessive ESD.

To insert the QPM into the QS580, QS5108, or QS5116 chassis, first take off the top cover by removing the screws holding it in place. (See “caution” note above.) In addition, if there is a blank quad port face plate covering the slot desired for the new module, remove the two screws at the bottom of the face plate that secure it to the unit.

The insertion procedure is in 4 steps:

STEP 1: Choose the port module that needs to be inserted into the open slot. Angle the quad port module downward so that it fits into the slot (**Figure 1**). It may be easier to fit the module exactly into the open slot if both hands are used—one hand for aligning the front of the module.



**Figure 1**

STEP 2: Precisely align the connector pins on the bottom of the quad port module with the connector pin holes in the socket slot mounted on the board (**Figure 2**). Do not force the pins into the connector holes if they are not correctly aligned. The pins will become damaged or bent if they have not been aligned properly and are forced into an incorrect position.

STEP 3: Once the header pins are precisely aligned with the holes in the socket slot, slowly and carefully apply enough pressure on both rear corners of the quad port module to insert the quad port module's pins into position (**Figure 3**). A “click” sound will determine the proper lockup of the two. Do not force the QPM down when the pins are not properly aligned with the holes in the header.

Now complete the step by fastening the two screws on the rear of the module (**highlighted in Figure 3**).

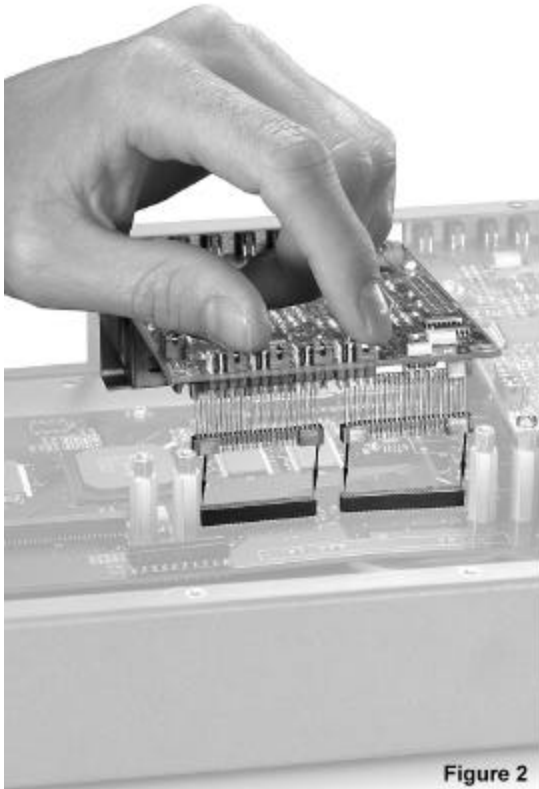


Figure 2

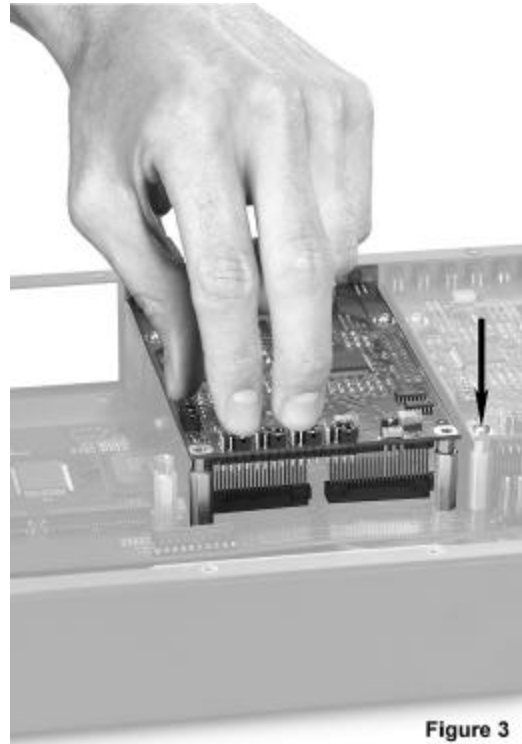


Figure 3

**STEP 4:** To complete the installation process for any particular port module, do not forget to fasten the additional two screws on the underside of the unit that securely connect the module to the front of the unit (**highlighted in Figure 4**).

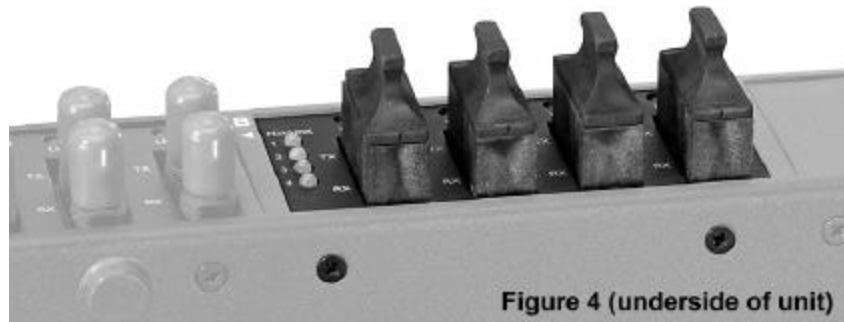


Figure 4 (underside of unit)

Repeat Steps 1-4 to install each additional QPM.

**Note:** All quad port module slots need not be filled in order for the Magnum Q-Series Fiber Switch to be operational. When leaving port module slots empty, always use a QPM faceplate in the empty slot. Also, check the jumper setting on any QPMs added to make sure they are in the desired position (Refer to the technical user guide, section 3).

Once all of the quad port modules have been installed (including the face plates for empty slots), the chassis cover should be replaced and securely fastened with screws.

See also “Q-Series Fiber Switches Installation and User Guide” for additional information about the product.



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