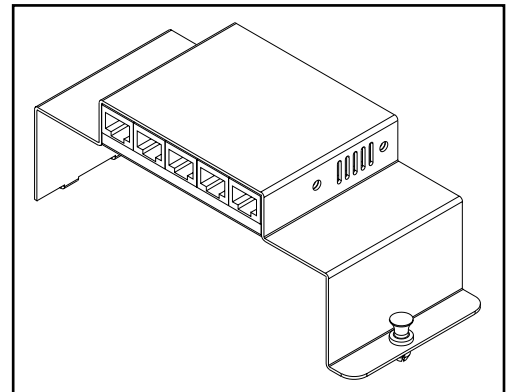


**Installation/Instruction Sheet**  
**5 Port 10/100 Ethernet Network Switch**  
**IS-0165 Rev. 0**

### 1. Introduction

The OnQ 5 Port Ethernet Switch comes with five (5) independent 10/100Mbps ports. Each port can transmit as high as 200Mbps in full duplex mode. This switch also features N-Way (auto-negotiable), which automatically adjusts the device for optimal operation; "Store-and-Forward" architecture filters eliminate error packets and improve efficiency. Plus, based on MDI/MDIX auto crossover technology, each port allows you to connect switches together and expand an existing network easily using either straight through or a crossover Ethernet cable.



### 2. Key Features

- Complies with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX standards
- "Store and Forward" architecture filters
- IEEE 802.3x or Back Pressure (HDX) Flow Control
- 2K MAC Address table supported
- Five (5) 10/100Mbps Auto-Detection ports; on Full or Half Duplex
- Power Feeding: +5VDC/1.5A
- Each port supports MDI/MDIX auto crossover capacity

### 3. Installation

A. The OnQ 5 Port Switch is considered a "plug and play" network device and requires no special setup except for connecting the appropriate power adapter. Since the switch employs auto crossover technology, RJ-45 Ethernet cables that are "straight through" or "crossover" design will work for all applications. The switch will determine the transmit and receive paths and adjust itself.

B. Mounting in Enclosure - **refer to Figure 2**

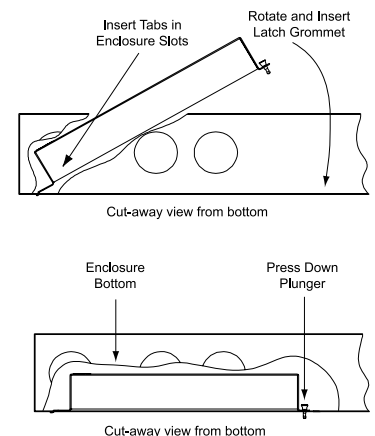
1. Align tabs on the module with slots in enclosure.
2. Insert tabs by angling module away from the back of the enclosure.
3. Rotate the module and insert fasteners on the module into corresponding holes on rear of enclosure. (Plunger must be in a pulled position for fastener to engage hole.)
4. Push plunger in to lock module in place. Pull on module to ensure module is locked properly in place.

C. Using RJ-45 patch cables, such as OnQ P/N 363201-27, jumper the switch ports to the network interface module, such as the OnQ 5 Port Network Interface (P/N 364407-01). This will connect the network runs to the 5 Port Switch.

D. Power the switch by plugging the power supply into a power outlet like a duplex receptacle mounted in the bottom of the OnQ Enclosure or an OnQ Power Strip Module (P/N 364266-01).

Verify that the Power LED is illuminated. If it is not illuminated, then check the connections, power supply and 110 VAC source. If it is still not illuminated, then contact OnQ Technical Support by calling 1-800-321-2343 and select option 2.

NOTE: If you have a volt meter the power supply should be outputting 5VDC with the tip being positive.



**Figure 2**

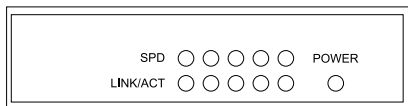


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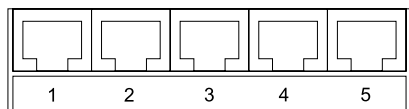
**Installation/Instruction Sheet**  
**5 Port 10/100 Ethernet Network Switch**  
**IS-0165 Rev. O**

**4. Specifications**

- Five (5) RJ45 STP/UTP network ports
- Maximum 100m (328ft.) per port Switch-to-Switch or Node-to-Switch cable length
- Emission Certification: FCC/CE Class B
- Operating Environment: Temperature 0-40°C (32°-104°F)
- Complies with IEEE 802.3 (10BaseT) and 802.3u (100BaseT) standards
- Full Duplex or Half Duplex operations with auto-detection
- Auto-negotiation 10BaseT and 100BaseT-TX connection
- Integrated address Look-up Engine, support 2K MAC address
- Automatic address learning, address aging and address migration
- On-Chip 16K x 64 SRAM for frame buffering
- Store-and-Forward transmission mode
- IEEE 802.3x Flow Control
- Back Pressure Flow Control
- Supports TP interface Auto MDIX function for auto TX/RX swap
- Power-On-Self-Test LED indication
- Status LED interface for easy maintenance
- Broadcast storm protection
- Maximum On-Board 5W power consumption
- Dimensions: 6.28”L x 2.63”W x 2.35”H



LED	Status	Description
POWER	On	Power On
LINK/ACT	On	A successful connection
	Blinks	Receives packets
SPD	On	Connects to a 100Mbps Fast Ethernet connection
	Off	Connects to a 10Mbps Ethernet connection



Ethernet Ports (1-5) with MDI/MDIX auto crossover capacity

**FCC Regulatory Statement - Part 15, Class B**

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions:  
 (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Changes or modification not expressly approved by party responsible for compliance could void the user authority to operate the equipment.