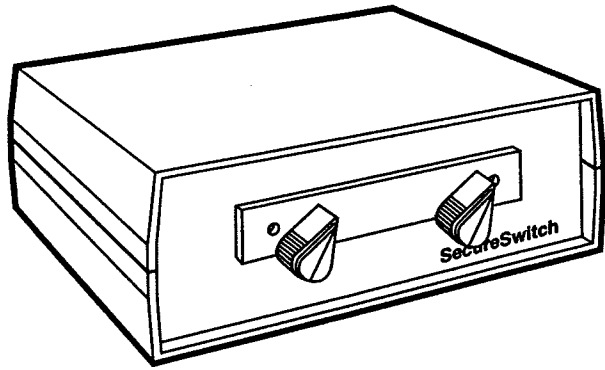


# SecureSwitch

Ethernet/Ethernet  
Ethernet/AppleTalk



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### CUSTOMER SUPPORT INFORMATION

Call our Technical Support Specialists to discuss your application.  
For 24-hour technical support: Call (412) 746-5500 or Fax: 1-800-321-0746  
To order: Call (412) 746-5500 7:00 A.M. to 8:00 P.M. EST  
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## 1. Specifications

<b>Connectors —</b>	SW456A: (4) RJ-45; SW457A: (2) RJ-45, (2) RJ-11
<b>Grounding —</b>	Via shielded connectors or screws
<b>Mean Time Between Failures —</b>	20,000 cycles
<b>Operating Temperature —</b>	32 to 158°F (0 to 70°C)
<b>Relative Humidity Tolerance —</b>	10 to 95%, noncondensing
<b>Power —</b>	Nonpowered
<b>Size —</b>	2.8"H x 6"W x 6.3"D (7.1 x 15.2 x 16 cm)
<b>Weight —</b>	4 lb. (1.8 kg)

## 2. Introduction

The SecureSwitch switches between two networks securely. Switch between two Ethernet networks or an Ethernet and an AppleTalk® network.

Each SecureSwitch contains two specially designed, PC-board-based switch assemblies. The assemblies are individually contained in completely separate shielded housings within the SecureSwitch.

The two knobs on the front of the Switch are connected by a crossbar, so they both switch at once. That crossbar is the *only* connection between the two switching mechanisms. There is *no* possibility of any electrical connection between the two networks.

### 3. Installation and Operation

Depending on which model you purchased, you can connect with two Ethernet networks or an Ethernet and AppleTalk network.

You need two network interface cards in your workstation—one for each network.

1. Connect the network cards in your workstation to the ports on the switch marked "N.I.C."
2. Connect the cables from the networks to the other ports on the switch.

Make sure the card in your workstation and the network it should connect to are both plugged into the same side of the switch.

Once the SecureSwitch is connected to the two networks, it's working. There is no ON/OFF switch or power supply. To select the network you want to connect to (either System A or System B), simply turn the knobs on the front panel.

Inside the switch are two switching devices, which are separated by grounded shielding fabric. This fabric reduces crosstalk of electromagnetic signals.

The SecureSwitch also has a control bar on the front panel of the box. This bar spans both of the switch control knobs to ensure that you aren't double-connected to two different networks at the same time.

## 4. Troubleshooting

### 4.1 Calling Your Supplier

If you determine that your SecureSwitch is malfunctioning, do not attempt to alter or repair the unit. It contains no user-serviceable parts. Contact your supplier.

Before you do, make a record of the history of the problem. Your supplier will be able to provide more efficient and accurate assistance if you have a complete description, including:

- the nature and duration of the problem.
- when the problem occurs.
- the components involved in the problem.
- any particular application that, when used, appears to create the problem or make it worse.

### 4.2 Shipping and Packaging

If you need to transport or ship your SecureSwitch:

- Package it carefully. We recommend that you use the original container.
- If you are shipping the SecureSwitch for repair, make sure you include everything that came in the original package. Before you ship, contact your supplier to get a Return Materials Authorization (RMA) number.