

Compex Fast Ethernet Desktop Switch

PS2208B 1A
PS2208B-SS 1A

PS2208B 6A (RoHS compliant)
PS2208B-SS 6A (RoHS compliant)

Version 2.2



Manual Number: M-0311-V2.2C
Version 2.2
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FCCE

1. Introduction



Figure 1 PS2208B and PS2208B-SS

This improved Fast Ethernet Desktop Switch is ideal for small and home office networks. It comes with 8 10/100Mbps ports capable of full or half duplex transmission with flow control. In addition, the switch supports full auto-negotiation and self-configures for the highest possible operation mode between two nodes. Unlike Hubs or Repeaters for which the 100Mbps bandwidth is shared among the ports, the switch is designed with a backplane of 1.6Gbps, allowing all 8 nodes to operate at full performance. Moreover, it forwards the incoming packets only to the related ports, avoiding collisions commonly seen in a Hub or Repeater.

PS2208B-SS has an earth connection point used for suppression of lightning surges to protect itself.

2. Panel Views

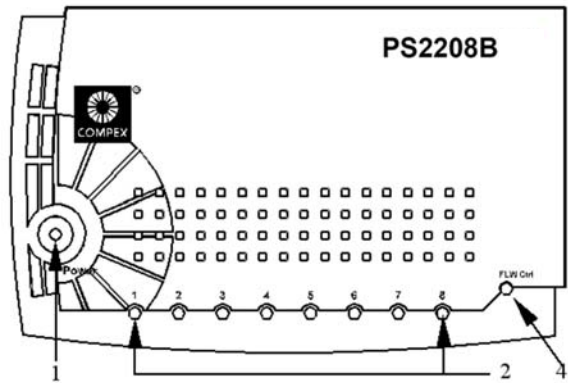


Figure 2 Front View of PS2208B and PS2208B-SS

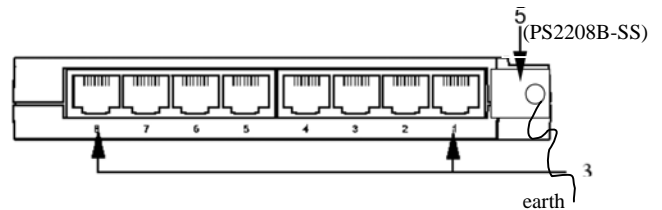


Figure 3 Back Panel View of PS2208B and PS2208B-SS

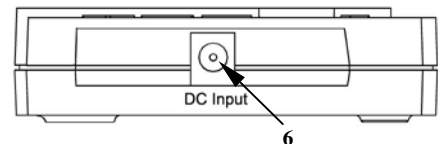


Figure 4 Side View of PS2208B and PS2208B-SS

3. Panel Descriptions

Indicator	Description
1 Power LED	<i>On:</i> Switch is receiving power.
2 Port LED	<i>Steady:</i> Link detected <i>Blinking:</i> Activity detected
3 8 RJ-45 Ports	8 UTP ports(port1,8 are lightningproof)
4 FLW/Ctrl LED	Not in use
5 Earth Connection Point for PS2208B-SS	Suppression of lightning surges to protect the switch
6 DC Power Jack	Supply power from the adapter to the unit

4. Specifications

Industrial Standards	Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX and ANSI/IEEE 802.3 N-Way auto-negotiation standards; FCC Class A; CE mark.
Interface	Each unit has eight 10/100Mbps UTP ports (RJ45).
Port Speed/Mode Selection	Auto-negotiation
Link Distance	100Base-TX: can support up to 100M of 'Category 5' UTP cable to PC, Hub or another Switch. 10Base-T: can support up to 100M of 'Category 3, 4, and 5' UTP cable to PC, Hub or another Switch.
LED Indicators	LED indicators are provided for status monitoring. These include LEDs for system power, traffic activity and link.
Dynamic memory sharing In/Out buffer	128K bytes
Forwarding Method	Store-and-Forward.
Number of MAC Addresses	1K MAC Addresses
Dynamic Addresses Learning / Filtering	Yes.
Environment Requirements	
Temperature:	Operating: 0°C to 40°C Storage: -5°C to 60°C
Humidity:	Operating: 10% RH to 90% RH (non-condensing)
Physical Dimensions	151 x 92 x 25mm (L x W x H)
Safety	UL, CSA, TUV/GS

5. Installation of Switch

The switch can be installed on a flat surface (desktop) or mounted on a wall. Follow the steps below for proper installation.

Desktop installation

1. Unpack the switch.
2. Choose a location near the devices to be connected and close to an electrical outlet. Preferably placed the switch on a desktop or any other clean, smooth, level and sturdy surface.
3. Ensure that there is enough clearance around the unit to allow attachment of network cables and power adapter to allow air circulation.
4. Connect the power adapter that is supplied in the package to the switch. The **POWER LED** and **PORT LED** for each connected port should light up.

Wall installation

1. Measure the distance between the mounting holes at the bottom of the switch and mark the wall to match the location of the mounting holes on the switch.
2. Drill pilot holes at the two marked locations.
3. Fix two 5/16-inch diameters flat-head mounting screws into the wall, with the heads of the screws protruding 1/8 inch out from the wall.
4. Carefully set the switch over the screws in the wall; then slide the switch down onto the screws, pressing it slightly to the wall.
5. Connect the power adapter that is supplied in the package to the switch. The **POWER LED** and **PORT LED** for each connected port should light up.

6. Installation of Earth Connection Point for PS2208B-SS

The Earth Connection Point and the lightning-proof Port 1 and 8 can protect the switch from the damage caused by lightning surges.

Follow the steps below for proper installation. (Refer to the earth connection point on **Panel Views**).

1. Connect the earth connection point of the metal to the Earth Connection Point.
2. Connect the RJ45 Cable that causes lightning surges possibly to Port # 1 or #8.

This document may become superseded, in which case you may find its latest version at: <http://www.complex.com.sg>

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Manual Revision by Daniel

Manual Number: **M-0311-V2.2C** Version 2.2, November 2006

FCC NOTICE: This device has been tested and found to comply with the limits for a **Class A** 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 device 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 device does cause harmful interference to radio or television reception, 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 separation between the computer and receiver.
- Connect the computer into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC Compliance Statement: This device complies with Part 15 of the 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.

ICES 003 Statement

This Class A digital apparatus complies with Canadian ICES-003

DECLARATION OF CONFORMITY: Compex, Inc. declares that the product:

Product Name: Compex Fast Ethernet Desktop Switch

Model No.: PS2208B-SS conforms to the following Product Standards:

Radiated Emission Standards: EN55022A, FCC Part 15 Class A

Conducted Emission Standards: EN60555Pt2 conducted emission; EN55022A conducted emission, LVD 60950 standard, FCC Part 15 Class A

Immunity Standards: IEC 801-2; IEC 801-3; IEC 801-4

Low Voltage Directive: EN 60 950:1992+A1: 1993+A2: 1993+A3; 1995+A4; 1996+A11: 1997.

Therefore, this product is in conformity with the following regional standards: **FCC Class A** — following the provisions of FCC Part 15 directive; **CE Mark** — following the provisions of the EC directive.

Manufacturer's Name: Compex Systems Pte Ltd

Address: 135 Joo Seng Road, PM Industrial Building, #08-01, Singapore 368363

Warranty Registration Card

Register via the Internet at <http://www.cpx.com> or <http://www.complex.com.sg>

[M-0088-V2.4C]



To activate the warranty, please complete this card and return to Compex within ninety 90 days from the date of purchase.

Please e-mail this warranty card to support@complex.com.sg.

Product:	Purchase Date:	Model:	Serial No:
Name:	E-mail:		
Company:			
Address:			
Postal/Zip Code:		Country:	
Phone: ()			

Note:

For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 482 0332

For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947