

### Compex 16-Port 10/100 Mbps Fast Ethernet Desktop Switch

PS2216

Version 1.2



Manual Number:  
M-0348-V1.2C  
Version 1.2  
March 2003

### 1. Introduction



Figure 1 Compex PS2216

Compex PS2216 – A perfect switch for home and small offices. This is a fast Ethernet Switch that provides 16 10/100Mbps ports capable of delivering full or half duplex transmission with flow control. This cost-effective switch allows the setting of priority ports, trunking groups or VLAN groups. In addition, PS2216 is designed for full auto negotiation functionality that self configures for the highest possible operation mode between nodes, coupled with the collision-free packet switching capability makes this a perfect device for your expanding network.

### 2. Panel View

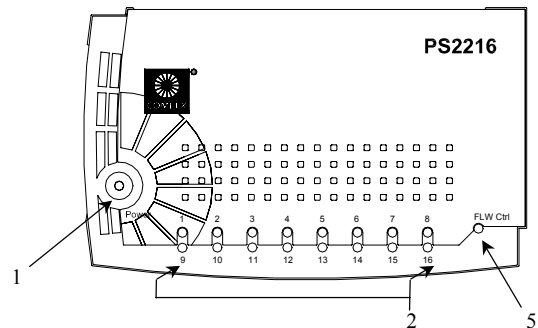


Figure 2 Front View of Compex PS2216

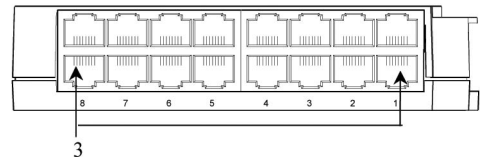


Figure 3 Back Panel View of Compex PS2216

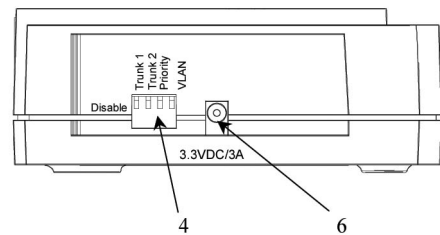


Figure 4 Side View of Compex PS2216

### 3. Panel Descriptions

Indicator	Description
1	Power LED ON indicates switch is receiving power.
2	Port LED STEADY AMBER 10M Link
	BLINK AMBER 10M Activity
	STEADY GREEN 100M Link
	BLINK GREEN 100M Activity
3	16 RJ-45 Ports 16 UTP ports
4	DIP Switch To activate the VLANs, Trunking and Priority ports. Please refer to Section 6 "Usage of Dip Switch" on the following page.
5	FLW/Ctrl LED No function assigned to this LED. This will not be lighted.
6	DC Power Jack Jack for connection to an external power adapter

## 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 16 10/100Mbps UTP ports (RJ-45).
◆ Port Speed/Mode Selection	Auto-negotiation
◆ Link Distance	<b>100Base-TX:</b> can support up to 100M of 'Category 5' UTP cable to PC, hub or another switch. <b>10Base-T:</b> 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, port speed, traffic activity and link.
◆ Dynamic memory sharing In/Out buffer	4M Bit
◆ Forwarding Method	Store-and-Forward.
◆ Number of MAC Addresses	8K MAC Addresses
◆ Dynamic Addresses Learning / Filtering	Yes.
◆ Power Supply	External 3.3VDC, 3A
◆ Environment Requirements	Operating Temperature:: 0°C to 40°C Storage Temperature:: -5°C to 60°C Operating Humidity: 10% RH to 90% RH Storage Humidity:: 5% to 80% RH (non-condensing))
◆ Physical Dimensions	151 x 92x 35mm (L x W x H)
◆ Weight	About 0.26 kg
◆ Safety	UL, CSA, TUV/GS

## 5. Installation of Compex PS2216

Compex PS2216 can be installed on a flat surface (desktop) or mounted on a wall. Follow the steps below for proper installation.

### Desktop installation

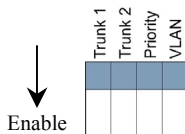
1. Unpack the switch.
2. Choose a location which is near to the electrical outlet. It is preferable to place Compex PS2216 on a desktop with clear and sturdy surface.
3. Ensure that there is enough clearance around the unit to allow attachment of network cables and power adapter.
4. Connect the power adapter to the switch. The POWER LED and the respective PORT LED should be lighted 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 protruded 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 slight to the wall.
5. Connect the power adapter to the switch. The POWER LED and PORT LED for each connected port should be lighted up.

Now, Compex PS2216 is ready to operate.

## 6. Usage of DIP switch



Actions Taken	Descriptions
Enabled Trunk 1	Port 1,2,9 and 10 are set as Trunking Ports.
Enabled Trunk 2	Port 3, 4,11 and 12 are set as Trunking Ports.
Enabled Priority	Port 8 and 16 (High Priority) are set as Priority Ports.
Enabled VLAN	VLAN Port 1 will become an overlapping port in Compex PS2216. The other ports will be separated into 15 individual VLANs. For example, If VLAN DIP Switch is enabled, Port 1 will be able to link to any of the ports from Port 2 to 16. However, the ports between 2 to 16 will not be able to communicate with each other.

Please note that the enabling of VLAN and Port Trunking cannot be set at the same time.

**Disclaimer:** Compex, Inc. provides this guide without warranty of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Compex, Inc. may make improvements and/or changes to the product and/or specifications of the product described in this guide, without prior notice. Compex, Inc. will not be liable for any technical inaccuracies or typographical errors found in this guide. Changes are periodically made to the information contained herein and will be incorporated into later versions of the guide. The information contained is subject to change without prior notice.

**Trademark Information:** Compex®, ReadyLINK® and MicroHub® are registered trademarks of Compex, Inc. Microsoft Windows and the Windows logo are the trademarks of Microsoft Corp. NetWare is the registered trademark of Novell Inc. All other brand and product names are trademarks or registered trademarks of their respective owners.

**Notice:** Copyright © 2003 by Compex, Inc. All rights reserved. Reproduction, adaptation, or translation without prior permission of Compex, Inc. is prohibited, except as allowed under the copyright laws.

*Manual Revision by Ong*  
Manual Number: **M-0348-V1.2C** Version 1.2, March 2003

**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

**Got NOTE:** This device (apparatus, equipment) complies with the radio interference limits established for Class A equipment in accordance with GOST R 51318.22-99 (CISPR 22-97) and shall not be used in dwelling houses, commercial and industrial districts with low electric power consumption and be connected to low-voltage distributions electric supply networks.


**DECLARATION OF CONFORMITY:** Compex, Inc. declares that the product:  
**Product Name:** Compex 16-Port 10/100 Mbps Fast Ethernet Desktop Switch  
**Model No.:** Compex PS2216 conforms to the following Product Standards:  
**Radiated Emission Standards:** EN55022A, FCC Part 15 Class A  
**Conducted Emission Standards:** EN60555P2 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, Inc.**  
Address: 4051 E. La Palma, Unit A,  
Anaheim, CA 92807, USA  
**European Contact:**  
ReadyLINK Networktechnology GmbH,  
Technical Support  
Albert Einstein Straße 34/M21,  
63322 Rödermark, Germany  
[Fax: +49 (60) 749-0668]

19<sup>th</sup> March, 2003

Shi Jia Xiang  
R&D Manager

WARRANTY REGISTRATION CARD [M-0088-V2.3C] 

You can register via Internet at: <http://www.cpx.com> or <http://www.compex.com.sg>  
Or E-mail: [support@compex.com.sg](mailto:support@compex.com.sg) with the following information:

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

Product: \_\_\_\_\_ Purchase Date: \_\_\_\_\_ Revision: \_\_\_\_\_ Serial No: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Company: \_\_\_\_\_ Dept: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_  
Postal/Zip Code: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Extn: \_\_\_\_\_ Fax: ( ) \_\_\_\_\_  
Computer in which this product is installed? \_\_\_\_\_ Model: \_\_\_\_\_ Serial No: \_\_\_\_\_

Network protocol (Check all that apply):  
 TCP/IP  IPX/ODI  XNS  OST  DLC  DECnet  
 NDIS  SNA  NBP  Other: \_\_\_\_\_

Network Operating System (Check all that apply):  
Novell NetWare:  3.X  4.X  5.X SCO Unix:  Openserver Ver: \_\_\_\_\_  
Microsoft Windows:  NT4.0  95  98  Win 2000  
Linux:  Red Hat Ver: \_\_\_\_\_  SUSE Ver: \_\_\_\_\_  Others: \_\_\_\_\_ Ver: \_\_\_\_\_  
Others NOS: \_\_\_\_\_ Ver: \_\_\_\_\_

Applications used on network processing (Check all that apply):  
 Desktop Publishing  Word Processing  Accounting  
 CAD/CAM  Spreadsheet  Database Management  
 E-mail  Other: \_\_\_\_\_

How did you learn about Compex?  
 Work  Friend  Internet  Dealer  Magazine  Exhibition  
 Other: \_\_\_\_\_

### Note:

For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 630-6521

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