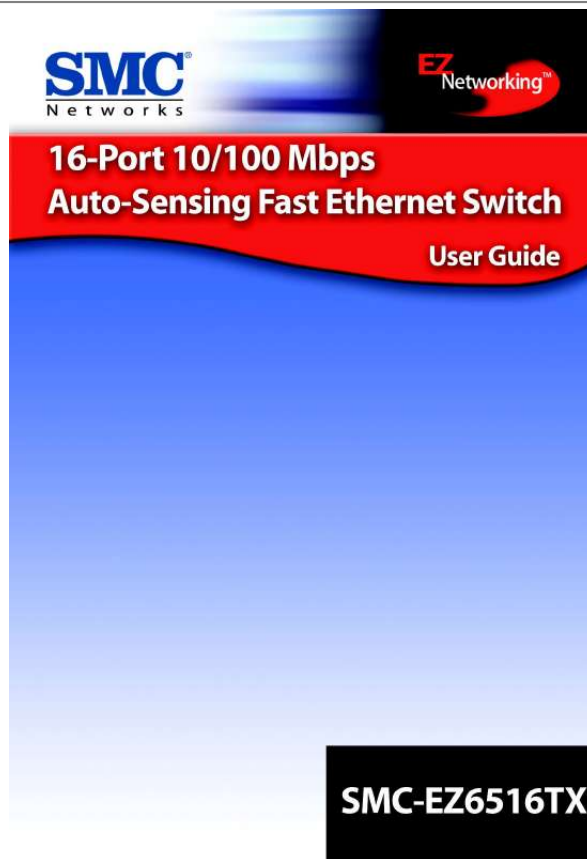




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You can read the recommendations in the user guide, the technical guide or the installation guide for SMC EZ6516TX. You'll find the answers to all your questions on the SMC EZ6516TX in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SMC EZ6516TX
User guide SMC EZ6516TX
Operating instructions SMC EZ6516TX
Instructions for use SMC EZ6516TX
Instruction manual SMC EZ6516TX



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Manual abstract:

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38 Tesla Irvine, CA 92618 ii COMPLIANCES FCC - Class B 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.

Bitte lesen Sie diese Hinweise sorgfältig durch. 2. Heben Sie diese Anleitung für den späteren Gebrauch auf.

3. Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie keine Flüssigoder Aerosolreiniger. Am besten eignet sich ein angefeuchtetes Tuch zur Reinigung. 4. Das Gerät ist vor Feuchtigkeit zu schützen. 5. Ein Kippen oder Fallen könnte Beschädigungen hervorrufen. 7.

8. 9. Es sollte auch nichts auf der Leitung abgestellt werden. 10. 11. 12. Dies könnte einen Brand bzw. elektrischen Schlag auslösen. 13. Öffnen sie niemals das Gerät.

14. b. c. d. Netzkabel oder Netzstecker sind beschädigt.

Flüssigkeit ist in das Gerät eingedrungen. Das Gerät war Feuchtigkeit ausgesetzt. e. f. Wenn das Gerät deutliche Anzeichen eines Defektes aufweist. 15. Der arbeitsplatzbezogene Schalldruckpegel nach DIN 45 635 Teil 1000 beträgt 70dB(A) oder weniger. v COMPLIANCES vi TABLE OF CONTENTS Introduction

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. 1 Features and Benefits . . .
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..... 1 Le selection guidelines below when choosing a location: · Select a suitable location for the switch: · It should be accessible for installing, cabling and maintaining the switch.

... The temperature and humidity should be within the ranges listed in the specifications.



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The status LEDs should be clearly visible. There should be adequate space (approximately two inches) on all sides for proper air flow. 3 INSTALLING THE SWITCH · Make sure twisted-pair cable is always routed away from power lines, fluorescent lighting fixtures and other sources of electrical interference such as radios, transmitters, etc. Make sure that a properly grounded power outlet is within 2.

44 meters (8 feet) of the switch and is powered from an independent circuit breaker. As with any equipment, using a filter or surge suppressor is recommended. · Instructions 1. Positioning the Switch: For desktop or shelf mounting, attach the four adhesive foot pads to the bottom of the switch. 2. Applying Power: Plug one end of the power adapter into the socket on the switch's rear panel, and the other end into an appropriate electrical outlet. Check the Power LED to be sure power is on. Note: It is not necessary to power off the switch before connecting or disconnecting any UTP cables, as these actions will not disrupt the operation of other devices attached to the switch. 3. Connecting PCs: Connect each PC to an RJ-45 port on the switch using a straight-through twisted-pair cable segment, maximum length 100 meters (328 ft). The EZ Switch 10/100 will support up to 16 PCs. All ports on the switch support automatic MDI/MDI-X operation, so you can use straight-through cables for all network connections to PCs or servers, or to other switches or hubs. Note: If an attached device does not support auto-negotiation, the data rate will be sensed automatically and the communication mode will default to half duplex. 4. Cascading Switches and Other Network Devices: All the ports on the switch support automatic MDI/MDI-X configuration for cable connections.

This allows you to use straight-through cable to connect to other switches or hubs from any port on the switch. No crossover cables or other device settings are needed. See the "Cable 4 INSTRUCTIONS Specifications" on page 8 and "Connectivity Guidelines" on page 9 of this guide for further information. 5 APPLICATION EXAMPLES APPLICATION EXAMPLES Some typical applications for the SMC-EZ6516TX are illustrated below: SMC-EZ6516TX 9V 1A 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 100 Mbps 10 Mbps 100 Mbps Server 100 Mbps Workstations 10 Mbps Workstations Standalone LAN SMC-EZ6516TX SMC-EZ6516TX 9V 1A 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 9V 1A 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 100 Mbps Servers 100 Mbps Workstations 100 Mbps Server 100 Mbps Workstation 100 Mbps Workstation 10 Mbps Segment 100 Mbps Segment Cascading Switches 6 INSTRUCTIONS

TROUBLESHOOTING 1. Symptom Power LED does not light after power on. Probable Causes · DC power adapter may be defective. Possible Solutions · Check for loose connections. · Check the power outlet by using it for another device. · Replace the DC power adapter. 2. Symptom Link LED does not light after connection is made. Probable Causes · Switch port, network card or cable may be defective. Possible Solutions · Check that the switch and attached device are both powered on. · Be sure the network cable is connected to both devices. · Verify that Category 5 cable is used for 100 Mbps connections and that the length of any cable does not exceed 100 meters (328 feet).

· Check the network card and cable connections for defects. · Replace the defective card or cable if necessary. 7 CABLES CABLES Cable Specifications Cable Types and Specifications Cable 10BASE-T Type Cat. 3, 4, 5 100-ohm UTP Max. Length 100 m (328 ft) 100 m (328 ft) Connector RJ-45 RJ-45 100BASE-TX Cat.

5 100-ohm UTP Twisted-Pair Cable and Pin Assignments Caution: DO NOT plug a phone jack connector into any RJ-45 port. Use only twisted-pair cables with RJ-45 connectors that conform with FCC standards. For 10BASE-T/100BASE-TX connections, a twisted-pair cable must have two pairs of wires. Each wire pair is identified by two different colors. @@Also, an RJ-45 connector must be attached to both ends of the cable. @@@@The "+" and "-" signs in the table below are used to represent the polarity of the wires that make up each wire pair. Because all ports on this switch support automatic MDI/MDI-X operation, you can use straight-through cables for all network connections to PCs or servers, or to other switches or hubs. Straight-Through RJ-45 Pin Assignments End 1 1 (Tx+) 2 (Tx-) 3 (Rx+) 6 (Rx-) End 2 1 (Tx+) 2 (Tx-) 3 (Rx+) 6 (Rx-) Connectivity Guidelines When adding hubs (repeaters) to your network, please follow the connectivity rules listed below for Fast Ethernet. However, note that because switches break up the path for connected devices into separate collision domains, you should not include the switch or connected cable in your calculations for cascade length involving other devices. Maximum Fast Ethernet Network Diameter Repeater Type and Number 1 Class I 1 Class II 2 Class II Twisted Pair 100BASE-TX 200 m (656 ft) 200 m (656 ft) 205 m (672).

4 ft) Twisted Pair/Fiber 100BASE-TX and FX 260.8 m (855.4 ft) 308.8 m (1012.6 ft) 216.2 m (709.1 ft) Note: Network diameter is defined as the wire distance between two end stations in the same collision domain. 9 PRODUCT SPECIFICATIONS PRODUCT SPECIFICATIONS EZ Switch 10/100 Model SMC-EZ6516TX Ports 16 10/100 Mbps RJ-45 auto-MDI/MDI-X ports Network Interface RJ-45: 100 ohm, UTP cable 10BASE-T - Categories 3, 4, or 5 100BASE-TX - Category 5 LEDs Power one Link/Activity - one per port Switching Method Store-and-forward Filtering/Forwarding/Learning Rate Full line rate MAC Address Table 2 K entries per system Memory Buffer 1.5 Mbyte per unit Sizes 28.6 x 8.

5 x 2.9 cm (11.1 x 3.3 x 1.1 in.) Weight 0.37 kg (0.82 lbs) Humidity, non-condensing 5% to 95% 10 EZ SWITCH 10/100 Temperature Operating: 0 to 40 °C (32 to 98 °F) Storage: -40 to 70 °C (-40 to 158 °F) Power Requirement DC input: 9 V/1 A Power Consumption 9 Watts Heat Dissipation 30.2 BTU/hr Maximum Current 0.8 A @ 9 VDC Standards IEEE 802.

3 IEEE 802.3u IEEE802.3x ISO/IEC 8802-3 EMC/Safety Compliances CE Mark Emissions FCC Class B EN 55022 (CISPR 22) Class B C-Tick - AS/NZS 3548 (1995) Class B EN 61000-3-2/3 Immunity EN 61000-4-2/3/4/5/6/8/11 Safety CSA/NRTL (C22.2.950, UL 1950) TUV/GS (EN 60950) CB (IEC 60950) Warranty Limited Lifetime 11 PRODUCT SPECIFICATIONS 12 FOR TECHNICAL SUPPORT, CALL: From U.S.A. and Canada (24 hours a day, 7 days a week) (800) SMC-4-YOU; (949) 679-8000; Fax: (949) 679-1481 From Europe (8:00 AM - 5:30 PM UK Time) 44 (0) 118 974 8700; Fax: 44 (0) 118 974 8701 INTERNET E-mail addresses: techsupport@smc.com european.techsupport@smc-europe.

com support@smc-asia.com Driver updates: <http://www>.



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