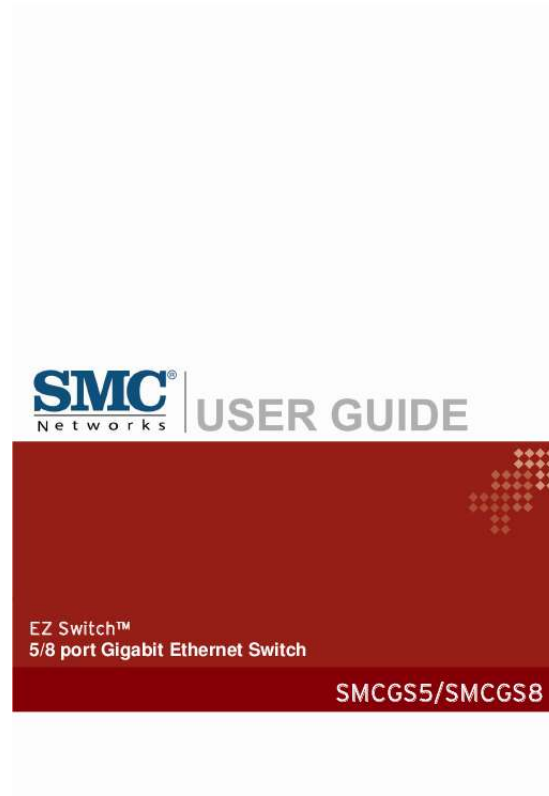




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You can read the recommendations in the user guide, the technical guide or the installation guide for SMC GS8. You'll find the answers to all your questions on the SMC GS8 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SMC GS8
User guide SMC GS8
Operating instructions SMC GS8
Instructions for use SMC GS8
Instruction manual SMC GS8



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Manual abstract:

0 Adapter SMCGS5/SMCGS8 Copyright Information furnished by SMC Networks, Inc. (SMC) is believed to be accurate and reliable. However, no responsibility is assumed by SMC for its use, nor for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of SMC. SMC reserves the right to change specifications at any time without notice. Copyright © 2009 by SMC Networks, Inc. 20 Mason Irvine, CA 92618 All rights reserved. Printed in Taiwan Trademarks: SMC is a registered trademark; and EZ Switch is a trademark of SMC Networks, Inc. Other product and company names are trademarks or registered trademarks of their respective holders. I Warranty and Product Registration To register SMC products and to review the detailed warranty statement, please refer to the Support Section of the SMC

Website at <http://www.smc.com>

smc.com SMC Networks, Inc. 20 Mason Irvine, CA 92618 2 Compliances Federal Communication Commission Interference Statement Note: This equipment 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. @@@@This device complies with Part 15 of the FCC rules. @@Edificio Conata II, Group CTSG Fructuos Gelabert 6-8 2o2a 08970 Sant Joan Despi, Barcelona, Spain This information technology equipment complies with the requirements of the Council Directive 2004/108/EC on the

Approximation of the laws of the Member States relating to Electromagnetic Compatibility and 2006/95/EC for electrical equipment used within certain voltage limits and the Amendment Directive 2006/95/EC. For the evaluation of the compliance with these Directives, the following standards were applied: RFI Emission: . . . Limit class A according to EN 55022: 2006(EMC) Limit class A for harmonic current emission according to EN 61000-32/2000+A2:2005 Limitation of voltage fluctuation and flicker in low-voltage supply system according to EN 61000-3-3/1995+A1:2001+A2:2005 Immunity: . Product family standard according to EN 55024:1998+A1:2001+A2:2003 3 Electrostatic Discharge according to EN 61000-4-2: 2001 ED.1.

2 (Contact Discharge: ±4 kV, Air Discharge: ±8 kV) Radio-frequency electromagnetic field according to EN 61000-4-3: 2006 ED.3.0 (80 - 1000 MHz with 1 kHz AM 80% Modulation: 3 V/m) Electrical fast transient/burst according to EN 61000-4-4: 2004 ED.2.0 (AC/DC power supply: ±1 kV, Data/Signal lines: ±0.5 kV) Surge immunity test according to EN 61000-4-5: 2005 ED.2.0 (AC/DC Line to Line: ±1 kV, AC/DC Line to Earth: ±2 kV) Immunity to conducted disturbances, Induced by radio-frequency fields: EN 61000-4-6: 2006 ED.2.2 (0.

15 - 80 MHz with 1 kHz AM 80% Modulation: 3 V/m) Power frequency magnetic field immunity test according to EN 61000-4-8: 2001 ED.1.1 (1 A/m at frequency 50 Hz) Voltage dips, short interruptions and voltage variations immunity test according to EN 61000-4-11: 2004 ED.2.0 (>95% Reduction @10 ms, 30% Reduction @500 ms, >95% Reduction @5000 ms) LVD: . EN 60950-1:2006 Industry Canada Statement This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled .Digital Apparatus, ICES-003 of the Department of Communications. Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe A prescrites dans la norme sur le matériel brouilleur: .Appareils Numériques, NMB-003 édictée par le ministère des Communications.

4 Please read the following safety information carefully before installing the Switch: WARNING: Installation and removal of the unit must be carried out by qualified personnel only. . This guide is intended for use by network administrators who are responsible for setting up and installing network equipment; consequently it assumes a basic working knowledge of LANs (Local Area Networks). The unit must be connected to an earthed (grounded) outlet to comply with international safety standards. Do not connect the unit to an A.C.

outlet (power supply) without an earth (ground) connection. The appliance coupler (the connector to the unit and not the wall plug) must have a configuration for mating with an EN 60320/IEC 320 appliance inlet. The socket outlet must be near to the unit and easily accessible. You can only remove power from the unit by disconnecting the power cord from the outlet. This unit operates under SELV (Safety Extra Low Voltage) conditions according to IEC 60950.

The conditions are only maintained if the equipment to which it is connected also operates under SELV conditions. 5 France and Peru only This unit cannot be powered from IT. supplies. If your supplies are of IT type, this unit must be powered by 230 V (2P+T) via an isolation transformer ratio 1:1, with the secondary connection point labelled Neutral, connected directly to earth (ground). Impédance à la terre Power Cord Set U.S.A. and Canada The cord set must be UL-approved and CSA certified. The minimum specifications for the flexible cord are: - No. 18 AWG - not longer than 2 meters, or 16 AWG.

- Type SV or SJ - 3-conductor The cord set must have a rated current capacity of at least 10A. The attachment plug must be an earth-grounding type with NEMA 5-15P (15 A, 125 V) or NEMA 6-15P (15 A, 250 V) configuration. The supply plug must comply with Section 107-2-D1, Standard DK2-1a or DK2-5a. The supply plug must comply with SEV/ASE 1011. The supply plug must comply with BS1363 (3-pin 13 A) and be fit-ted with a 5 A fuse which complies with BS1362. The mains cord must be <HAR> or <BASEC> marked and be of type HO3VVF3GO.75 (minimum). The supply plug must comply with CEE7/7 (.SCHUKO.).

The mains cord must be <HAR> or <BASEC> marked and be of type HO3VVF3GO.75 (minimum). IEC-320 receptacle. Denmark Switzerland U.K. Europe 6 Veuillez lire à fond l'information de la sécurité suivante avant d'installer le Switch: AVERTISSEMENT: L'installation et la dépose de ce groupe doivent être confiés à un personnel qualifié. Ne branchez pas votre appareil sur une prise secteur (alimentation électrique) lorsqu'il n'y a pas de connexion de mise à la terre (mise à la masse).



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Vous devez raccorder ce groupe à une sortie mise à la terre (mise à la masse) afin de respecter les normes internationales de sécurité. Le coupleur d'appareil (le connecteur du groupe et non pas la prise murale) doit respecter une configuration qui permet un branchement sur une entrée d'appareil EN 60320/IEC 320. La prise secteur doit se trouver à proximité de l'appareil et son accès doit être facile. Vous ne pouvez mettre l'appareil hors circuit qu'en débranchant son cordon électrique au niveau de cette prise. L'appareil fonctionne à une tension extrêmement basse de sécurité qui est conforme à la norme IEC 60950. Ces conditions ne sont maintenues que si l.

équipement auquel il est raccordé fonctionne dans les mêmes conditions. France et Pérou uniquement: Ce groupe ne peut pas être alimenté par un dispositif à impédance à la terre. @@@@18, ou AWG No. @@@@Caution: Do not plug a phone jack connector in the RJ-45 port. This may damage this device. Les raccordeurs ne sont pas utilisés pour le sith other non-green switches. @@@@power consumption: 3.7W(SMCGS5), 5.52W(SMCGS8) QoS support : Port 1-2(SMCGS5), Port 1-3(SMCGS8) 12 Rear Panel RJ-45 Ports The EZ Switch 10/100/1000 features 5/8 1000BASE-T ports with RJ-45 connectors located on the rear panel of the switch. Because all ports 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.

QoS Ports: Port 1-2 (SMCGS5), Port 1-3(SMCGS8), to handle advanced packet prioritisation. Front Panel LEDs The front panel of the switch provides a link status LED for each RJ-45 port. In addition, the front panel also contains status LEDs for "at-a-glance" system monitoring. The following table details the functions of the various indicators: Port and Switch Status LEDs Condition Status On Off Link/Act On (Green) Off Flashing(Green) Power on, normal operation Power off or failure Network device is correctly connected to the switch through this port. No Link.

Data is being sent or received through this port LED Power 13 SMCGS5 Front and Rear Panels SMCGS8 Front and Rear Panels The DC power socket is located on the rear panel of the switch. 14 INSTALLING THE SWITCH Before installing the switch, verify that you have all the items listed under "Package Contents." If any of the items are missing or damaged, contact your local SMC distributor. Also be sure you have all the necessary tools and cabling before installing the switch. Package Contents The EZ Switch 10/100/1000 includes: ·····EZ Switch 10/100/1000 (SMCGS5 or SMCGS8) Four rubber feet Appropriate DC power adapter SMC Warranty Registration Card This User Manual Quick Installation Guide Selecting a Site Be sure to follow the site selection guidelines below when choosing a location: · Select a suitable location for the switch: o It should be accessible for installing, cabling and maintaining the switch.

o The temperature and humidity should be within the ranges listed in the specifications. o The status LEDs should be clearly visible. o There should be adequate space (approximately two inches) on all sides for proper air flow. 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 meters (6.6 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, 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. 15 3. Connecting PCs: Connect each PC to an RJ-45 port on the switch using Category 5 or 5e shielded or unshielded twisted-pair (UTP or STP) cable, maximum length 100 meters (328 ft). 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 Specifications". Caution: Do not plug a phone jack connector into any RJ-45 port. This may damage the switch. Instead, use only twisted-pair cables with RJ-45 connectors that conform with FCC standards.

16 TROUBLESHOOTING Diagnosing Switch Indicators 1. Symptom Power LED does not light after power on. Probable Causes o DC power socket may be defective. Possible Solutions o Check for loose connections. o Check the power outlet by using it for another device.

2. Symptom Link LED does not light after connection is made. Probable Causes o Switch port, network card or cable may be defective. Possible Solutions o Check that the switch and attached device are both powered on. o Be sure the network cable is connected to both devices. o Verify that Category 5 or better cable is used for 10/100 Mbps connections, Category 5 or 5e cable for 1000Mbps connections, and that the length of any cable does not exceed 100 meters (328 feet). o Check the network card and cable connections for defects. @@Length 2-pair Cat. 3 or better 100 m (328 ft) 100-ohm UTP 2-pair Cat. @@@@Also be sure that the length of any twisted-pair connection does not exceed 100 meters (328 feet).

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. In straight-through cable, pins 1, 2, 3, and 6, at one end of the cable, are connected straight through to pins 1, 2, 3 and 6 at the other end of the cable. The table below shows the 10BASE-T/100BASE-TX MDI-X and MDI port pinouts. Pin 1 2 3 6 4,5,7,8 MDI-X Signal Name Receive Data plus (RD+) Receive Data minus (RD-) Transmit Data plus (TD+) Transmit Data minus (TD-) Not used at 10/100 Mbps MDI Signal Name Transmit Data plus (TD+) Transmit Data minus (TD-) Receive Data plus (RD+) Receive Data minus (RD-) Not used at 10/100 Mbps 18 Product Specifications EZ Switch 10/100/1000 Standards Conformance IEEE 802.



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3 IEEE 802.3u IEEE 802.3x IEEE 802.3ab Full-duplex flow control 10,100, 1000Mbps Full or half duplex at 10/100 Mbps Full duplex at 10/100/1000 Mbps
10BASE-T: 100-ohm Category 3 or better twisted-pair 100BASE-TX: 100-ohm Category 5 or better twisted pair 100BASE-T: 100-ohm Category 5/5e
twisted-pair SMCGS5: 5 RJ-45 100BASE-T ports SMCGS8: 8 RJ-45 100BASE-T ports Power Ports: Link/Act SMCGS5: 12.1x7.5x2.
6cm(4.8x3.0x1.0in) SMCGS8: 15.5x8.
5x2.6cm(6.1x3.4x1.0in) SMCGS5: 271g (0.
60lbs) SMCGS8: 346g (0.76lbs) SMCGS5: 1K entries SMCGS8: 4K entries SMCGS5: 832Kbits SMCGS8: 1M bits SMCGS5: 3.70 Watts SMCGS8: 5.52 Watts
Input Voltage: 100 - 240 VAC@50-60 Hz Output Voltage : 5V/1A (SMCGS5); 12V/1A(SMCGS8) Operating: 0 ~ 40 °C / 32 ~ 104 °F 10% to 90% non-
condensing CE Mark EN55024:1998+A1: 2001+A2:2003 IEC61000-4-2: 2001 ED.1.2 IEC61000-4-3: 2006 ED.3.0 IEC61000-4-4: 2004 ED.2.0
IEC61000-4-5: 2005 ED.
2.0 IEC61000-4-6: 2006 ED.2.2 IEC61000-4-8: 2001 ED.1.1 IEC61000-4-11: 2004 ED.2.0 FCC Class A, EN 55022:2006, Class A CISPR22: 2006, Class A
EN61000-3-2: 2000+A2:2005 Class A EN61000-3-3: 1995+A1: 2001+A2:2005 Class A Communication Rate Communication Mode Media Supported
Number of Ports Indicator Panel Dimensions Weight MAC Address Table Memory Buffer Power Consumption Power Requirement Temperature Humidity
EMC/Safety Compliances Immunity Emissions 19 SMCGS5/SMCGS8 .



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