



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SMC FS5. You'll find the answers to all your questions on the SMC FS5 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SMC FS5
User guide SMC FS5
Operating instructions SMC FS5
Instructions for use SMC FS5
Instruction manual SMC FS5



[You're reading an excerpt. Click here to read official SMC FS5 user guide](http://yourpdfguides.com/dref/3457429)

<http://yourpdfguides.com/dref/3457429>

Manual abstract:

(SMC) is believed to be Information furnished by SMC Networks, Inc. (SMC) is believed to be its accurate and reliable. However, no responsibility is assumed by SMC for accurate and any infringements of patents or other rights of third parties its use, nor for reliable. However, no responsibility assumed by SMC for use, nor for result from its use. of patents or other rights simplification or which may any infringements No license is granted by of third parties which may under any patent or No license is granted by implication or right otherwise result from its use. patent rights of SMC. SMC reserves the otherwise under any patent any patent rights of SMC. SMC reserves the right to change specifications at or time without notice. to change specifications at any time without notice.

Copyright © 2005 by Copyright © 2005 by SMC Networks, Inc.

SMC Networks, Inc. 38 Tesla Irvine, CA 92618 38 Tesla Irvine, CA 92618 All rights reserved. Printed in Taiwan All rights reserved. Printed in Taiwan Trademarks: SMC is a registered trademark; and EZ Connect is a trademark of SMC Networks, Inc. Other product and company names are trademarks or registered trademarks of their respective holders.

LIMITED WARRANTY Limited Warranty Statement: SMC Networks, Inc. ("SMC") warrants its products to be free from defects in workmanship and materials, under normal use and service, for the applicable warranty term. All SMC products carry a standard 90-day limited warranty from the date of purchase from SMC or its Authorized Reseller. @@@@ Failure to register will not affect the standard limited warranty. The Limited Lifetime warranty covers a product during the Life of that Product, which is defined as the period of time during which the product is an "Active" SMC product. A product is considered to be "Active" while it is listed on the current SMC price list. As new technologies emerge, older technologies become obsolete and SMC will, at its discretion, replace an older product in its product line with one that incorporates these newer technologies. At that point, the obsolete product is discontinued and is no longer an "Active" SMC product. A list of discontinued products with their respective dates of discontinuance can be found at: http://www.smc.com/index.cfm?action=customer_service_warranty All products that are replaced become the property of SMC. Replacement products may be either new or reconditioned. Any replaced or repaired product carries either a 30-day limited warranty or the remainder of the initial warranty, whichever is longer. SMC is not responsible for any custom software or firmware, configuration information, or memory data of Customer contained in, stored on, or integrated with any products returned to SMC pursuant to any warranty.

Products returned to SMC should have any customer-installed accessory or add-on components, such as expansion modules, removed prior to returning the product for replacement. SMC is not responsible for these items if they are returned with the product. Customers must contact SMC for a Return Material Authorization number prior to returning any product to SMC. Proof of purchase may be required. Any product returned to SMC without a valid Return Material Authorization (RMA) number clearly marked on the outside of the package will be returned to customer at customer's expense. For warranty claims within North America, please call our toll-free customer support number at (800) 762-4968. Customers are responsible for all shipping charges from their facility to SMC. SMC is responsible for return shipping charges from SMC to customer. **WARRANTIES EXCLUSIVE: IF AN SMC PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT IN QUESTION, AT SMC'S OPTION. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

SMC NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS. SMC SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD. LIMITATION OF LIABILITY: IN NO EVENT, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), SHALL SMC BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE, LOSS OF BUSINESS, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF SMC OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR THE LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

NOTHING IN THIS WARRANTY SHALL BE TAKEN TO AFFECT YOUR STATUTORY RIGHTS. * SMC will provide warranty service for one year following discontinuance from the active SMC price list. Under the limited lifetime warranty, internal and external power supplies, fans, and cables are covered by a standard one-year warranty from date of purchase. SMC Networks, Inc. 38 Tesla Irvine, CA 92618 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. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient the receiving antenna · Increase the separation between the equipment and receiver · Connect the equipment 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 EC Conformance Declaration - Class B SMC contact for these products in Europe is: SMC Networks Europe, Edificio Conata II, Calle Fructuós Gelabert 6-8, 2 o , 4a, 08970 - Sant Joan Despí, Barcelona, Spain.



[You're reading an excerpt. Click here to read official SMC FS5 user guide](http://yourpdfguides.com/dref/3457429)

<http://yourpdfguides.com/dref/3457429>

This information technology equipment complies with the requirements of the Council Directive 89/336/EEC on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility and 73/23/EEC for electrical equipment used within certain voltage limits and the Amendment Directive 93/68/EEC. For the evaluation of the compliance with these Directives, the following standards were applied: RFI Emission: · Limit class A according to EN55022:1998, IEC 60601-1-2 (EMC, medical) · Limit class A for harmonic current emission according to EN61000-3-2/1995 · Limitation of voltage fluctuation and flicker in low-voltage supply system according to EN61000-3-3/1995 Immunity: · Product family standard according to EN55024:1998 · Electrostatic Discharge according to EN61000-4-2:1995 (Contact Discharge: ±4 kV, Air Discharge: ±8 kV) · Radio-frequency electromagnetic field according to EN61000-4-3:1996 (80 - 1000 MHz with 1 kHz AM 80% Modulation: 3 V/m) · Electrical fast transient/burst according to EN61000-4-4:1995 (AC/DC power supply: ±1 kV, Data/Signal lines: ±0.5 kV) · Surge immunity test according to EN61000-4-5:1995 (AC/DC Line to Line: ±1 kV, AC/DC Line to Earth: ±2 kV) · Immunity to conducted disturbances, Induced by radio-frequency fields: EN61000-4-6:1996 (0.15 - 80 MHz with 1 kHz AM 80% Modulation: 3 V/m) · Power frequency magnetic field immunity test according to EN61000-4-8:1993 (1 A/m at frequency 50 Hz) · Voltage dips, short interruptions and voltage variations immunity test according to EN61000-4-11:1994 (>95% Reduction @ 10 ms, 30% Reduction @ 500 ms, >95% Reduction @ 5000 ms) LVD: · EN 60950-1 Industry Canada - Class B 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. Please read the following safety information carefully before installing the Switch: WARNING: @@ · 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 socket outlet must be near to the unit and easily accessible. @@@@ 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. @@@@ Denmark Switzerland U.K.

@@ The supply plug must comply with SEV/ASE 1011. @@@@ Europe The supply plug must comply with CEE77 ("SCHUKO"). @@@ IEC-320 receptacle. Veuillez lire à fond l'information de la sécurité suivante avant d'installer le Switch: AVERTISSEMENT: L'installation et la dépose deherheitskleinstspannung gemäß IEC 60950. @@@@ This switch uses lasers to transmit signals over fiber optic cable.

@@@@ Do not plug a phone jack connector in the RJ-45 port. This may damage this device. @@@@ Achtung: Installation und Deinstallation des Gerätes müssen von qualifiziertem Servicepersonal durchgeführt werden. Achtung: Wenn das Gerät an eine Steckdose angeschlossen wird, muß der Masseanschluß am dreipoligen Netzstecker mit Schutzerde verbunden werden, um elektrische Gefahren zu vermeiden. Achtung: Dieses Gerät nutzt Laser zur Signalübertragung über Glasfasern.

Die Laser entsprechen den Anforderungen an eine Lasereinrichtung der Klasse 1 und sind durch ihre Bauart im normalen Betrieb sicher für die Augen. Trotzdem sollte niemals direkt in den einen Übertragungskanal geblickt werden, wenn er eingeschaltet ist. Environmental Statement The manufacturer of this product endeavours to sustain an environmentally-friendly policy throughout the entire production process. This is achieved though the following means: · Adherence to national legislation and regulations on environmental production standards. · Conservation of operational resources. · Waste reduction and safe disposal of all harmful un-recyclable by-products. · Recycling of all reusable waste content. · Design of products to maximize recyclables at the end of the product's life span. · Continual monitoring of safety standards. End of Product Life Span This product is manufactured in such a way as to allow for the recovery and disposal of all included electrical components once the product has reached the end of its life.

Manufacturing Materials There are no hazardous nor ozone-depleting materials in this product. Documentation All printed documentation for this product uses biodegradable paper that originates from sustained and managed forests. The inks used in the printing process are non-toxic. Purpose This guide details the hardware features of the switch, including Its physical and performance-related characteristics, and how to install the switch. Audience The guide is intended for use by network administrators who are responsible for installing and setting up network equipment; consequently, it assumes a basic working knowledge of LANs (Local Area Networks). Diese Anleitung ist für die Benutzung durch Netzwerkadministratoren vorgesehen, die für die Installation und das Einstellen von Netzwerkkomponenten verantwortlich sind; sie setzt Erfahrung bei der Arbeit mit LANs (Local Area Networks) voraus. Safety Compliance Underwriters Laboratories Compliance Statement Important! Before making connections, make sure you have the correct cord set. Check it (read the label on the cable) against the following: Operating Voltage 120 Volts Cord Set Specifications UL Listed/CSA Certified Cord Set Minimum 18 AWG Type SVT or SJT three conductor cord Maximum length of 15 feet Parallel blade, grounding type attachment plug rated 15 A, 125 V 240 Volts (Europe only) Cord Set with H05VV-F cord having three conductors with minimum diameter of 0.75 mm 2 IEC-320 receptacle Male plug rated 10 A, 250 V The unit automatically matches the connected input voltage. Therefore, no additional adjustments are necessary when connecting it to any input voltage within the range marked on the rear panel.

· Contents INTRODUCTION Description of Hardware Features and Benefits Front Panel LEDs SMCFS5 SMCFS8 Rear Panel INSTALLING THE SWITCH Package Checklist Selecting a Site Instructions TROUBLESHOOTING SPECIFICATIONS 1 1 1 2 2 2 3 4 4 4 5 6 7 EZ Switch 10/100 INTRODUCTION This manual describes how to install and use SMC's EZ Switch 10/100 FS5 and FS8.



[You're reading an excerpt. Click here to read official SMC FS5 user guide](http://yourpdfguides.com/dref/3457429)
<http://yourpdfguides.com/dref/3457429>

It features 5 or 8 10/100 Mbps Auto Negotiating switch ports, and provides the flexibility solution for your networking requirements. The EZ Switch 10/100 can be used to connect with PCs, servers, hubs, bridges, other switches and routers. It can also act as a bridge between 10Mbps and 100Mbps networks segments.

This EZ Switch supports 10Mbps and 100Mbps dedicated bandwidth on each port. The Switch is built with plug & play, auto-negotiation on all ports, store-and-forward transmission scheme, IEEE802.3x flow control and back pressure operation for easy installation and smooth transition from legacy 10Mbps to 100Mbps Ethernet networks. All ports support MDI/MDI-X to reduce the possibility of cabling problems. Description of Hardware The EZ Switch 10/100, SMCFS5, and SMCFS8, are 5/8-port Fast Ethernet switch featuring 5/8 10BASE-T/ 100BASE-TX auto-negotiation ports.

These switches provide an ideal bridge between 10Mbps and 100 Mbps Ethernet networks. Features and Benefits · IEEE 802.3 and 802.3u compliance ensures compatibility with standards-based hubs, switches and cards from any vendor 5/8 dual-speed 10/100 Mbps auto-negotiation ports Plug-and-play-- nothing to configure Auto MDI/MDI-X on all ports-- Allow easy cabling. "At-a-glance" LEDs for port and system status monitoring · · · · 1 EZ Switch 10/100 · Jabber lock-up function automatically stops transmission of abnormal frames to prevent network disruption Desktop installation-- No internal fan is required. · Front Panel LEDs The front panel of the switch provides status LEDs for "at-a-glance" system monitoring. The following table details the functions of the LEDs: Port and System Status LEDs LED Power Link/ Activity Condition Green Green Status The switch is receiving power. Indicates a valid network connection between the port and the attached device. Indicates no network connection established between the port and the attached device. Indicates that the port is transmitting or receiving data.

Off Flashing Green SMCFS5 2 EZ Switch 10/100 SMCFS8 Rear Panel These EZ Switch 10/100 models feature 5/8 10BASE-T/ 100BASE-TX ports with RJ-45 connectors located on the rear panel of the Switch. Each port contains a built-in wiring crossover (MDI-X) that allows for the use of straight-through twisted-pair cable for connections to devices without built-in crossover ports (i.e., workstations, printers, etc.). The DC power connector is also located on the rear panel of the switch. 3 EZ Switch 10/100 INSTALLING THE SWITCH The EZ Switch 10/100 can be placed on a desktop or shelf and stacked with other devices using the provided 4 rubber foot pads. Package Checklist The EZ Switch 10/100 package includes: · · · · EZ Switch 10/100 SMCFS5 or SMCFS8 Appropriate DC power adapter Four rubber feet SMC Warranty Registration Card This User Guide Please register this product and upgrade the product warranty at www.smc.com.

Selecting a Site Be sure to follow the site selection guidelines below when choosing a location: · · · · It should be accessible for installing, cabling and maintaining the switch. The temperature and humidity should be within the ranges listed in the specifications. The status LEDs should be clearly visible. 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 4 EZ Switch 10/100 other sources of electrical interference such as radios, transmitters, etc. · Make sure that a properly grounded power outlet is located near to the switch. Instructions 1. @@@ Check the Power LED to be sure power is on. @@The EZ Switch 10/100 will support up to 5 or 8 Connections. @@Make sure the cable does not exceed 100 meters (328 ft). Connect one end of the cable to the switch' port, and connect the other end of the s cable to an MDI/MDI-X RJ-45 port on the other device. 4. 5 EZ Switch 10/100 TROUBLESHOOTING 1. Symptom Power LED does not light after powering on the switch. Probable Causes Power outlet or power cord may be defective. Possible Solutions · · · · 2. Check for loose connections. Check the power outlet by using it with another device. Replace the power cord. Symptom Link LED does not light after a 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. · · 6 EZ Switch 10/100 SPECIFICATIONS EZ Switch 10/100 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 Number of Ports SMCFS5: 5 10BASE-T/100BASE-TX RJ-45 ports SMCFS8: 8 10BASE-T/100BASE-TX RJ-45 ports MAC Address Table 2 K entries Memory Buffer SMCFS5: 384 Kbits on-chip frame buffer SMCFS8: 640 Kbits on-chip frame buffer Dimensions SMCFS5: 13.1 x 8.5 x 3.2 cm (5.15 x 3.384 x 1.26 in.) SMCFS8: 17.6 x 8.5 x 3.2 cm (6.93 x 3.34 x 1.26 in.)

) Weight SMCFS5: 155 g (0.342 lbs) SMCFS8: 200 g (0.441 lbs) Power requirements DC input: 6V, 1A Power Consumption SMCFS5: 3.52 Watts SMCFS8: 4.6 Watts 7 EZ Switch 10/100 Heat dissipation SMCFS5: 12.01 BTU/hr SMCFS8: 15.7 BTU/hr Maximum current 1A @ 6VDC

Filtering/Forwarding/Learning Rates Full line rate Temperature Operating: 32 to 122°F (0 to 40°C) Storage: -40 to 158° (-40 to 70° F C) Humidity, non-condensing 10% to 90% Standards IEEE 802.3 10BASE-T [1], IEEE 802.3u 100BASE-TX IEEE 802.3x flow control support IEEE 802.

3x flow control support EMC/Safety Compliances CE Mark Class B Emissions FCC Class B, CISPR Class B, EN 61000-3-2/3 Immunity EN 61000-4-2/3/4/5/6/8/11 Safety CSA/NRTL (CSA60950-1 & UL60950-1) TUV/GS (EN60950-1) Warranty Limited Lifetime 8 FOR TECHNICAL SUPPORT, CALL: From U.S.A. and Canada (24 hours a day, 7 days a week) (800) SMC-4-YOU; Phn: (949) 679-8000; Fax: (949) 679-1481 From Europe : Contact details can be found on www.smc.com INTERNET E-mail address: techsupport@smc.com Driver updates: http://www.smc.com/index.cfm?action=tech_support_drivers_downloads World Wide Web: <http://www.smc.com/>

For Literature or Advertising Response, Call: U.S.A. and Canada: Spain: UK: France: Italy: Benelux: Central Europe: Nordic and Baltics Eastern Europe: Sub-Saharan Africa: North West Africa: CIS: PRC: Taiwan: Asia Pacific: Korea: Japan: Australia: India: (800) SMC-4-YOU 34-91-352-00-40 44 (0) 871 277 98 02 33 (0) 1 55 64 04 55 39 02 739 12 68 31 (0) 654 776 790 49 (0) 89 92861-0 46 (0) 566 622 83 420 266 794 421 27 012 661 0232 34 93 477 4920 34 93 477 4920 86-10-6235-4958 886-2-87978006 (65) 238 6556 82-2-553-0860 81-45-224-2332 61-2-8875-7887 91-22-8204437 Fax (949) 679-1481 Fax 34-93-477-3774 Fax 44 (0) 1234 831 413 Fax 33 (0) 45 34 68 58 Fax 39 02 739 14 17 Fax 31 (0) 172 242 393 Fax 49 (0) 89 92861-230 Fax 45 (0) 566 622 86 Fax 420 266 794 423 Fax 34 93 471 3374 Fax 34 93 477 3774 Fax 34 93 477 3774 Fax 86-10-6235-4962 Fax 886-2-87976288 Fax (65) 238 6466 Fax 82-2-553-7202 Fax 81-45-224-2331 Fax 61-2-8875-7777 Fax 91-22-8204443 If you are looking for further contact information, please visit www.smc.com/



[You're reading an excerpt. Click here to read official SMC FS5 user guide](http://yourpdfguides.com/dref/3457429)

<http://yourpdfguides.com/dref/3457429>