

S2Konnect P-4120SX Dual Port 1000Base-SX PMC Adapter, 2 x Fiber LC/SX

User Manual

Copyright © S2Konnect GmbH, 2010. All rights reserved.

This manual refers to the S2Konnect P-4120SX 1000Base-SX Dual Port Server Adapter, PMC, 2 Fiber LC. Contents are subject to change without notice.

Product and brand names are (registered) trademarks of their appropriate owners.

If you have comments on this documentation, please send to:

S2Konnect GmbH

Siemensstrasse 23 76275 Ettlingen / Germany

visit our web site: http://www.s2konnect.com



Conventions

The following conventions apply to this manual.

Warnings and Notes



Used to indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury. Example: dangerous voltage.



Used to indicate a potentially hazardous situation which, if not avoided, could result to a damage to your eyes. Example: laser light.



Used to indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. Example: electrostatic discharge.



Used for additional information and advice.



Table of Contents

| С | Conventions Warning Notes | 4 4 |
|---|---|-----------------------------------|
| S | Safety Precautions Avoiding injuries - Avoiding damage | 7 7 |
| 1 | Introduction | 9 |
| 2 | System requirements | 9 |
| 3 | Installation of the Network Adapter | 9 |
| 4 | Connection of the Network Adapter Transmission Distances Connection to the Network | 11 11 11 |
| 5 | Hardware Features Adapter Characteristics LED Displays | 13 13 14 |
| 6 | Testing the Network Adapter DOS Diagnostic Program Loopback Wrag Plug Test | 15 15 15 |
| 7 | Troubleshooting | 17 |
| 8 | Important Information Technical Support Returning an Adapter for Repair Additional Documentation and Updates Technical Specifications | 18 18 18 18 19 |
| A | Appendix A. License and Warranty Information The Americas, Asia, Australia, New Zealand, Pacific Europe Deutschland, Schweiz, Österreich, Lichtenstein | 22 22 23 24 |



Table of Figures

Figure 1: Insertion of the adapter into the computer Figure 2: Connection of fiber-optics cables/plugs

Figure 3: Possible network configurations / connection options

Figure 4: Location of the LEDs

Figure 5: Setup for loopback wrap plug testing



Safety Precautions

To protect yourself from injuries and avoid damage of the device, always observe the following safety instructions when installing the network adapter.

Avoiding injuries



Electrical current!

Electrical current from power, phone, and communications cables can be hazardous. Never touch any electrical elements with bare hands.

To avoid potential shock hazards:

- Do not carry out any installation, maintenance, or (re)configuration work during a thunderstorm.
- Do not connect or disconnect any power cables during a thunderstorm.
- For installation in a Hot-Plug system, observe the safety instructions specific to this system. Read the relevant documentation first.
- Do not connect the network adapter to a telephone line.



Electrical installations must comply with the safety regulations of the country in which they are operated.

Avoiding damage



Electrostatic discharge!

Electrostatic discharge may damage or destroy the Network adapter.

To avoid damaging the S2Konnect P-4120SX Dual Port Server Adapter observe the following:

- Switch off the computer.
- Disconnect the power cord from the power outlet.
- Remove the computer cover.
- Before installing the network adapter, put on an antistatic wrist strap (electrically conductive).
- Connect the wrist strap to the computer chassis
 Do not connect the wrist straps to the ground terminal of the power supply!
 Faulty wiring could make this terminal live and potentially lethal.
- When you are ready to install the network adapter, open the antistatic bag.
- Hold the antistatic packaging of the network adapter against the bracket of an expansion slot on your computer for at least two seconds.
 - This reduces the static charge in the packaging and in your body.
 - If you need to place the network adapter somewhere after removing it from the antistatic bag, make sure you place it on the antistatic bag and on a level surface.
 - Do not place the network adapter on the computer cover or on any other metal surface.
- Cautiously insert the adapter into the corresponding slot.
 Do not touch any circuits on the network adapter or any of its port contacts.





For the P-4120SX adapter, observe the following:

Laser light!

Laser light from fiber-optic transmission cables and components can damage your eyes.

The laser components on the network adapter are Class 1 laser components. Class 1 lasers are considered incapable of producing radiation levels during normal operation or maintenance and are, therefor, determined to be eye-safe.

To avoid damaging your eyes and to continue safe operation in case of abnormal circumstances:

- Never look directly into the outlets of fiber-optic cables or fiber-optic transmission components with unprotected eyes!
- Never allow fiber-optic transmission paths to operate until all the connections have been made
- Always fit protective plugs to any unused ports on the switch or the network adapter.



Radiation!

The use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In general, observe the following:

- Never use force when working with the network adapter or the PCI Express or PCI/PMC bus
- Do not allow anyone else to touch the network adapter.
- Avoid unnecessary movement since this can increase electrostatic charge.



1 Introduction

Thank you for purchasing a S2Konnect product.

This document describes the installation of the network adapter card.

The P-4120SX is a PMC adapter which must be installed in a PMC slot of the computer.

The adapter contains a Network chipset "Marvell 88E8022"

2 System requirements

Computer System:

The P-4120SX adapter is a typical server adapter supporting high throughput of data. You may utilize this adapter in any system supporting PMC.

Cable:

You must use a fiber LC cable to connect the adapter. Table "Transmission distances" in chapter 4 shows the distances of transmission you can reach.

3 Installation of the Network Adapter

The installation procedure in Hot-Plug systems may differ from the following. For Hot-Plug systems, read the corresponding documentation. Have the computer manual ready and if necessary, a key and screwdriver to open the cover and remove the bracket.

To install the adapter in the computer, proceed as follows:

- 1. Switch off the computer in wich the network adapter is to be installed.
- 2. Disconnect the power cord from the power outlet. Observe the safety instructions (see page 7)
- Open the computer cover as described in your computer manual.
 You may need a screwdriver or similar tool to remove the screws from the cover.
 If you are installing a network adapter in a tower computer, we recommend to put the computer on its side in order to apply the correct force to insert the adapter into the PMC slot.
- 4. Consult the section in your computer manual that describes how to install expansion cards.
- 5. Locate a free PMC slot on the motherboard or carrier board.



S2Konnect PMC adapters can be installed in 32-bit or 64-bit PMC bus slot at 33 MHz, 66MHz, 100 MHz or 133 MHz. Best performance, however, is reached with a 64-bit/133 MHz bus.

- Remove the bracket from the expansion slot (if applicable).Follow the instruction in your computer manual.
- 7. Remove the network adapter from the antistatic bag. Observe the safety instructions (see page 7).
- 8. Insert the network adapter into the PMC slot as described in your computer manual. Make sure the network adapter is correctly aligned with the PMC slot on the motherboard or carrier.
- 9. Push the network adapter down into the slot until it is firmly seated.
- 10. If available, tighten the locking screw on the fixings until the adapter is firmly connected to the computer cover or carrier (or to the attachment provided for PMC cards).
- 11. Replace the computer cover.
- 12. Replace and tighten all screws.
- Reconnect the power supply.
 Observe the safety instructions (see page 7).



4 Connection of the Network Adapter

This chapter describes the physical connection of the S2Konnect P-4120SX Network Adapter to the network.

Transmission Distances

Depending on the physical media (cable), different distances can be reached for transmission with the Gigabit Ethernet adapter.

| Adapter type | Physical Media | Maximum distance |
|----------------------------|---|---------------------|
| 1000Base-SX/LC (850 nm) | 1000Base-SX 50.0 μm multimode fiber-optic | 0.5 to 550 m |
| | 1000Base-SX 62.2 μm multimode fiber-optic | 0.5 to 275 m |

Connection to the Network

Observe the safety instructions given on page 7.

In order to connect the adapter to the network, proceed as follows:

- 1. If necessary, configure the port on the switch to which the network adapter is to be connected (also see the switch manual).
- 2. If possible, disconnect the switch and the computer from the power supply.
- 3. Remove the protective plug (if available) from the switch port which is to be used.
- 4. At one end of the cable connect the LC duplex connector to the port on the switch.
- 5. Remove the protective plug (if available) from the port on the network adapter (fiber-optic types only).
- 4. At the other end of the cable connect the connector to the port on the network adapter. (see figure 2. "Connection of fiber-optics cables/plugs").

The port type (e.g. 1000Base-SX) on the network adapter and that on the switch must be identical.

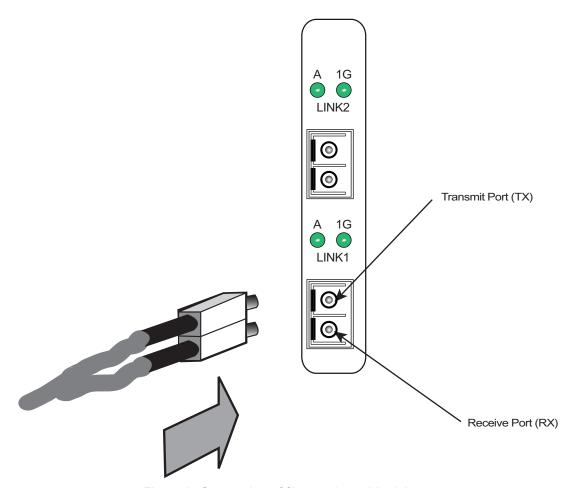


Figure 2. Connection of fiber-optics cables/plugs

- 5. Turn on the computer and the Switch.
- 6. Check the link LED(s) to find out if the cable is connected correctly.

 If the appropriate LED is on, the connection is established and active. Otherwise you have to check the network adapter more closely. (For details, refer to chapter? "Testing the network Adapter" and chapter 7 "Troubleshooting").

As soon as the connection to the network is etablished, the installation of the network adapter is complete. Keep this manual with your computer manual for future reference.



The network adapter will not be fully operational until suitable drivers are loaded. See how to install drivers for the operating system of your choice. Refer to drivers "Read me" or manuals for driver installation.

You will find a list of available drivers at: http://www.marvell.com

- > SUPPORT >
- > CHOOSE A PLATFORM >
- > SEARCH >
- > ACCEPT AND SUBMIT >
- > DOWNLOAD THE ARCHIVE ON A ZIP FILE

The chipset you have to select is: "88E8022"



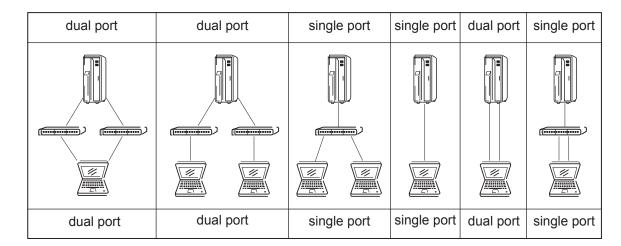
5 Hardware Features

The S2Konnect P-4120SX 1000Base-SX Adapter, PMC constitutes a PMC type of the equivalent SysKonnect SK-9S82 PCI-X or the S2Konnect N-2020SX adapters model of the SK-9S82 Adapter family.

S2Konnect N-20x0x and N-30x0x, and equivalent PMC Adapters and the SysKonnect SK-9Exx/ SK-9Sxx Gigabit Ethernet Adapter Familiy defines a series of network interfaces that combine server and workstation computers with the high-speed Gigabit Ethernet network (1000 Mbit/s) using fiber-optic and copper cables. They differ in terms of technology (PMC, PCI Express and PCI/PMC), number of ports and transmission mode. LC duplex connectors (fiber cabling) and RJ-45 connectors (copper cabling) are used to connect to the network. The adapters can be connected to a switch, a buffered repeater, or directly to a second station (see also figure 3 "Possible network configurations / Connections options").

For information about other S2Konnect network products, refer to the product overview on our web site: http://www.s2konnect.com.

Server



Workstation

Figure 3. Possible network configurations / connection options

Adapter Characteristics

The following table lists the characteristics of the S2Konnect P-4120SX 1000Base-SX Gigabit Ethernet Server Adapter.

| | S2Konnect P-4120SX 1000Base-SX Adapter (PCI/PMC) |
|---------------|--|
| LAN interface | 1000Base-SX |
| Port | Dual port |
| Connector | LC duplex |
| Media | Fiber (850 nm) |

The type of port on the network adapter must be identical with that on the switch.



LED Displays

Once the driver has been installed, the adapter is operational. The current status and speed are indicated by the LEDs.

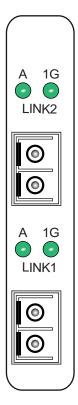


Figure 4. Location of the LEDs

The LEDs of the fiber adapters have the following meaning: Link1 - describes Port 1 or Port A, Link2 - port 2 or port B

| Marking on bracket | Color | Status | Description |
|---|-------|--------|---|
| 1G - 1000Base- SX Transmission speed LINK up/ down | green | ON/OFF | Link up/Link down, Speed 1000 Mbit/s |
| ACT (Activity) | green | ON/OFF | Receiving/Transmitting Not Receiving/Not Transmitting |

6 Testing the Network Adapter



There are two programs available to test the network adapter: a diagnostics program running on DOS and "Yukon Diagnostics" running on Windows.

During testing, observe the safety precautions given in chapter "Safety Precautions".



If the fiber adapter is not connected immediately to the data network, insert the protective plug for safety reasons (otherwise laser light may be emitted) and as a protection against dust and dirt.

DOS Diagnostics Program

The network adapter can be tested with the supplied diagnostics program (running on DOS). During testing, the link of the tested port will be down, le., no data can be transferred. The following tests are available:

- Simple test without loopback:
 This test covers all components but not the port (socket including components for transmitting/receiving the data signals).
- Comprehensive port test with loopback:
 All components are tested, including the port.



The tests do not run in a Windows DOS box.

Loopback Wrap Plug Test

To perform the loop back wrap plug test, you will need a wrap plug (see figure 5. "Setup for loopback wrap plug testing").

Alternatively, the loopback test can be performed from port to port (for dual port adapters only) or via external repeater. Loopback testing via external repeater requires another adapter installed in a second computer running in repeater mode (also see section "Loop back Repeater Test"). The following procedure describes the test via wrap plug.

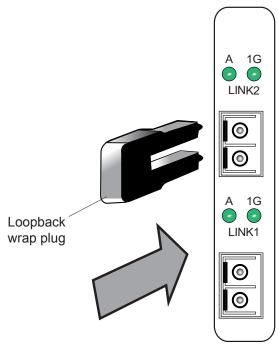


Figure 5. Setup for loopback wrap plug testing

To test the adapter, proceed as follows:

- 1. Switch off the computer
- 2. If the computer is still connected to the data network, unplug the data cable from the network adapter's port.
- 3. Connect the network adapter as follows:
 - For the simple test: Insert the protective plugs into the ports.
 - For the loopback test: Insert the wrap plug into the port.
- 4. Boot to DOS.

Wait until the operating system is loaded and the DOS prompt is displayed.

- 5. You must select a driver containing the Diag Tool.
- 6. Start the diag program by:
- 7. Type "yukondg".
- 8. Press <Enter>.
- 9. From the main menu of the diagnostics program, select one of the following:
 - DIAGNOSTICS for the simple test (no loopback)
 - LOOPB. WRAP PLUG for the loopback test
 - LOOPB. PORT TO PORT for the port-to-port test (only with dual port adapters)
 - LOOPB. EXT. REPEATER for the loop back repeater test

7 Troubleshooting

| Problem | What to do |
|---|---|
| Another expansion | Make sure all cables are connected to the correct expansion cards. |
| card fails to work after the network adapter has been installed | Make sure the expansion cards are correctly inserted. Check if any internal connections in the computer have been disengaged or have been damaged during the installation of the network adapter. |
| | Check for resource conflicts in the computer. Check PCI/PMC configuration and resource allocation. |
| The computer does | Make sure the adapter is properly seated in the computer. |
| not detect the network adapter | Try installing the adapter in a different PCI/PMC slot. |
| The computer adapter fails during a normal operation | Load or install the driver again. |
| Loopback test is | Check the connections and try another switch port if necessary. |
| successful but link | Is switch configuration 1000 Mbit/s set? |
| LED does not light (no connection) | Is the network driver loaded? |
| | Is the maximum transmission distance exceeded (see section "Transmission Distances")? |
| LED for transmitting/ | Make sure the network driver is loaded. |
| receiving data pack- | Is there any network overload? |
| ets (ACT) is not illu- minated | Is switch configuration 1000 Mbit/s set? |
| | Is the maximum transmission distance exceeded (see page 11)? |
| | If you have any other S2Konnect adapter installed, compare your setup with this adapter. |

If the problem persists, you can analyze the status of the network adapter with the aid of the LEDs and the diagnostics programs.

8 Important Information

Technical Support

If you encounter any problems, read the relevant section of the manual. If you cannot solve your problems, consult our technical support.

If you contact our technical support engineers, have the following information ready:

- adapter type
- driver version
- operating system
- · configuration of your computer
- type of cabling

Our support team can be reached following the instructions on our website.

Please go to: http://www.s2konnect.com, contact section.

Returning an Adapter for Repair

If you want to return a faulty product to S2Konnect, follow these steps:

- Contact us by phone, fax, or e-mail. (Contact section of our web page)
 We will send you an RMA (Return Material Authorization) form by fax or e-mail.
- 2. Complete the form.
- 3. Return the form to us.
 - We will send you a unique reference number and inform you if the product is still under warranty.
- 4. Send us the faulty product packed in an antistatic bag, with a copy of the completed form enclosed in its original packaging (or comparable packaging).
- 5. Write the reference number issued by S2Konnect clearly visible on the outer packaging.



S2Konnect cannot accept any returned product without an RMA number on the outer packaging. The warranty does not apply to products that have been damaged by electrostatic discharge or inadequate packaging

Additional Documentation and Updates

S2Konnect maintains a site on the World Wide Web where you can find the latest information on our product range and our customer support services. The latest drivers are provided on the Marvell web site.

To download the latest drivers from our web site, proceed as follows:

- 1. Visit the web site: http://www.marvell.com
- 2. Click the DOWNLOAD CENTER button.
- 3. In the field "Product", select the desired adapter. You need to know the chipset, see p. 11.
- 4. In the field "Type", select DRIVER.
- 5. In the field "System", select the desired operating system.
- 6. Click SEARCH.

A list of all available drivers matching your search is displayed.

7. In the outer right column of the line containing the desired driver, click DOWNLOAD.







P-4120SX - Dual Port 1000Base-SX PMC Adapter, 2 x Fiber LC/SX

Product Highlights

- Ultra Deep RAM, Parity monitoring on all data paths
- TCP, UDP, and IP checksum generation and checking on chip
- Jumbo Frame support
- PMC 64Bit @133 MHz

Features

- · Ultra Deep RAM, Parity monitoring on all data paths
- TCP, UDP, and IP checksum generation and checking on chip
- Jumbo Frame support
- Dynamic Interrupt Moderation
- Advanced Power Management (ACPI)
- Link Aggregation support

Standard Compliances

- IEEE 802.3ab and IEEE 802.3z (Gigabit Ethernet)
- IEEE 802.3ad (Link Aggregation)
- IEEE 802.1p (Quality of Service)
- IEEE 802.1q and IEEE 802.3ac (VLAN and VLAN tagging)

Driver

- X86: Windows 7, Windows Vista, Windows XP, Windows 2000, Windows 2003 (.Net), NT4, Windows98 SE, ME
- x64: Windows 7, Windows Vista, Windows XP, Windows 2003 (.Net)
- Solaris: SPARC 32:7,8,9
- Solaris: Intel X86:8,9,10
- Solaris: X64:10
- Linux: X86:Kernel 2.4, Kernel 2.6
- NetWare: X86:4.2, 5.x, 6.x, DOS ODI
- Mac OS X:10.2, 10.3, 10.4
- FreeBSD: X86:5.1, 5.2, 5.3, 5.4, 6.0
- UnixWare: X86:7.1x
- DOS: Intel X86:NDIS2, ODI, PXE

www.s2konnect.com





P-4120SX - Dual Port 1000Base-SX PMC Adapter, 2 x Fiber LC/SX

Weight

• Weight: Unit. 80 g; Packet 125 g

Warranty

• 2 years

Order Numbers

- 100-005-002-002 P-4120SX Dual Port 1000Base-SX PMC
- 100-005-002-012 P-4120SX Dual Port 1000Base-SX PMC with Conformal Coating

© Copyright 2010 S2Konnect

All rights reserved. All brand and product names are trademarks or registered trademarks of their respective holders. Specifications are subject to change without notice.

Germany

S2Konnect GmbH
Siemensstrasse 23
D-76275 Ettlingen
Phone: +49 7243 3435725
Fax: +49 7243 3435723
E-mail: sales@s2konnect.de

www.s2konnect.com



Appendix A. License and Warranty Information

The Americas, Asia, Australia, New Zealand, Pacific

Dear Customer,

if you acquired your S2Konnect product in the UNITED STATES, CANADA or any other country in the AMERICAS, ASIA, AUSTRALIA, NEW ZEALAND, PACIFIC, the following license and purchase agreement applies to you.

This is a legal agreement between you, the end user and S2Konnect Incorporated in Ettlingen/Federal Republic of Germany.

S2Konnect GmbH. License and Purchase Agreement

By opening the sealed disk package and taking possession of the hardware, you are agreeing to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, promptly return the unopened and unused disk package and hardware with the accompanying items (including all written materials and other accessories) to the place of purchase for a full refund.

Grant of Software License

This S2Konnect GmbH License Agreement (License) permits you to use one copy of the S2Konnect GmbH software product acquired with this License ("SOFTWARE") on any single computer, provided the SOFTWARE is in use on only one computer at any time. If you have multiple Licenses for the SOFTWARE, then at any time, you may have as many copies of the SOFTWARE in use as you have Licenses. The SOFTWARE is "in use" on a computer when it is loaded into the temporary memory (i.e. RAM) or installed into the permanent memory (e.g. hard disk or other storage device) of that computer, except that a copy installed on a network server for the sole purpose of distribution to other computers is not "in use". If the anticipated number of users of the SOFTWARE will exceed the number of applicable Licenses, then you must have a reasonable mechanism or process in place to assure that the number of persons using the SOFTWARE concurrently does not exceed the number of Licenses. If the SOFTWARE is permanently installed on the hard disk or other storage device of a computer (other than a network server) and one person uses that computer more than 80% of the time it is in use, then that person may also use the SOFTWARE on a portable or home computer.

Copyright

The SOFTWARE is owned by S2Konnect GmbH or its suppliers and is protected against copying by copyright laws, international treaty provisions and other national laws.

If the SOFTWARE is not copy protected you may either make one copy of the SOFTWARE solely for backup or archival purposes, or transfer the SOFTWARE to a single hard disk provided you keep the original solely for backup or archival purposes.

You may not copy the Product Manual(s) or written materials accompanying the SOFTWARE or HARDWARE.

Other Restrictions

You may not rent or lease the SOFTWARE or HARDWARE, but you may transfer your rights under this S2Konnect GmbH License and Purchase Agreement on a permanent basis provided you transfer all copies of the SOFTWARE and all written materials, and the recipient agrees to the terms of this Agreement. You may not reverse engineer, decompile or disassemble the SOFTWARE. Any transfer must include the most recent update and all prior versions.

Hardware

S2Konnect GmbH warrants, that the hardware will be delivered free from defect and in working condition. S2Konnect GmbH does not assume liability for nor warrant damage to the hardware after delivery. S2Konnect also does not warrant total applicability for specific applications or customer network environments.

Limited Warranty for Hardware and Software Limited Warranty

S2Konnect warrants that the SOFTWARE will perform substantially in accordance with the accompanying Product Manual(s) for a period of 90 days from the date of receipt.

S2Konnect warrants that NETWORK INTERFACE CARDS will be free from defects in materials and workmanship under normal use and service for a period of 2 years from the date of receipt, that NETWORK INFRASTRUCTURE COMPONENTS (e.g., hubs, Switches, concentrators) will be free from defects in materials and workmanship under normal use and service for a period of 2 years from the date of receipt, and other HARDWARE for a period of 6 months from the date of receipt respectively.

This warranty is given by S2Konnect as producer of the PRODUCT; possible legal warranty or liability claims against the dealer, whom you have acquired your SOFTWARE or HARDWARE product from, shall neither replaced by nor limited through this warranty.

Customer Remedies

S2Konnect's entire liability and your exclusive remedy shall be, at S2Konnect's option, either return of the price paid, or repair or replacement of the SOFTWARE or HARDWARE that does not meet S2Konnect's Limited Warranty and which is returned to S2Konnect GmbH with a copy of your receipt. This Limited Warranty is void if failure of the SOFTWARE or HARDWARE has resulted from accident, abuse, or misapplication. Any replacement SOFTWARE will be warranted by S2Konnect GmbH only for the remainder of the original warranty period or 30 days, whichever is longer. Any replacement HARDWARE will be warranted for the remainder of the original warranty period or 6 months, whichever is longer.

No other Warranties

S2Konnect GmbH disclaims all other warranties or liabilities with respect to the SOFTWARE, the HARDWARE, the accompanying Product Manual(s) and other written materials and any other accessories.

No Liability for Consequential Damages

S2Konnect GmbH does not warrant the software and hardware for a specific application, nor does S2Konnect GmbH accept any consequential damages due to the use of the hardware or software. S2Konnect GmbH and its suppliers shall not be liable for any other damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information or data, property loss or other financial loss), arising out of the use of or the inability to use this S2Konnect GmbH product, even if S2Konnect GmbH has been advised of the possibility of such damages. In any case, S2Konnect's entire liability shall be limited to the amount actually paid by you for the product.

Othor

This agreement is governed by the procedural and substantive laws of the State California, U.S.A.. UN Trade Laws shall not be applicable in any case.

Should individual stipulations of this Agreement be or become invalid, this invalid stipulation shall be replaced by a stipulation, which is as close as possible to the invalid stipulation.

Should you have any questions concerning this Agreement, or if you desire to contact S2Konnect GmbH for any reason, please use the address information enclosed in this product or write to: S2Konnect GmbH, Siemensstrasse 23, 76275 Ettlingen, Germany.

U.S. Government Use

Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in FAR § 52.227-14 (June 1987) Alternate III(g)(3) (June 1987), FAR § 52.227-19 (June 1987), or DFARS § 52.227-7013 © (1) (June 1988), as applicable. Contractor / Manufacturer is S2Konnect.



Europe

Dear Customer,

if you acquired your S2Konnect product in EUROPE, the following license and purchase agreement applies to you: This is a legal agreement between you, the end user and S2Konnect GmbH, in Ettlingen/Federal Republic of Germany.

S2Konnect License and Purchase Agreement

By opening the sealed disk package and taking possession of the hardware, you are agreeing to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, promptly return the unopened and unused disk package and hardware with the accompanying items (including all written materials and other accessories) to the place of purchase for a full refund.

Grant of Software License

This S2Konnect License Agreement (License) permits you to use one copy of the S2Konnect software product acquired with this License ("SOFTWARE") on any single computer, provided the SOFTWARE is in use on only one computer at any time. If you have multiple Licenses for the SOFTWARE, then at any time, you may have as many copies of the SOFTWARE in use as you have Licenses. The SOFTWARE is "in use" on a computer when it is loaded into the temporary memory (i.e. RAM) or installed into the permanent memory (e.g. hard disk or other storage device) of that computer, except that a copy installed on a network server for the sole purpose of distribution to other computers is not "in use". If the anticipated number of users of the SOFTWARE will exceed the number of applicable Licenses, then you must have a reasonable mechanism or process in place to assure that the number of persons using the SOFTWARE concurrently does not exceed the number of Licenses. If the SOFTWARE is permanently installed on the hard disk or other storage device of a computer (other than a network server) and one person uses that computer more than 80% of the time it is in use, then that person may also use the SOFTWARE on a portable or home computer.

Copyright

The SOFTWARE is owned by S2Konnect or its suppliers and is protected against copyright laws, international treaty provisions and other national laws.

If the SOFTWARE is not copy protected you may either make one copy of the SOFTWARE solely for backup or archival purposes, or transfer the SOFTWARE to a single hard disk provided you keep the original solely for backup or archival purposes.

You may not copy the Product Manual(s) or written materials accompanying the SOFTWARE or HARDWARE.

Other Restrictions

You may not rent or lease the SOFTWARE or HARDWARE, but you may transfer your rights under this S2Konnect License and Purchase Agreement on a permanent basis provided you transfer all copies of the SOFTWARE and all written materials, and the recipient agrees to the terms of this Agreement. You may not reverse engineer, decompile or disassemble the SOFTWARE. Any transfer must include the most recent update and all prior versions.

Hardward

The risk passes to you, the end user, upon taking possession (hand over) of the HARDWARE. Total qualities were not warranted.

Limited Warranty for Hardware and Software

Limited Warranty

S2Konnect warrants that the SOFTWARE will perform substantially in accordance with the accompanying Product Manual(s) for a period of 90 days from the date of receipt if you have created the required technical preconditions.

S2Konnect warrants that NETWORK INTERFACE CARDS will be free from defects in materials and workmanship under normal use and service for a period of 5 years from the date of receipt, that NETWORK INFRASTRUCTURE COMPONENTS (e.g., hubs, Switches, concentrators) will be free from defects in materials and workmanship under normal use and service for a period of 2 years from the date of receipt, and other HARDWARE for a period of 6 months from the date of receipt respectively.

Any implied warranties on the SOFTWARE are limited to 90 days, to 5 years on the NETWORK INTERFACE CARDS, to 2 years on the NETWORK INFRASTRUCTURE COMPONENTS and to 6 months on all other hardware. This warranty is given by S2Konnect as producer of the PRODUCT; possible legal warranty or liability claims against the dealer, whom you have acquired your SOFTWARE or HARDWARE product from, shall neither replaced by nor limited through this warranty.

Customer Remedies

S2Konnect's entire liability and your exclusive remedy shall be, at S2Konnect's option, either return of the price paid, or repair or replacement of the SOFTWARE or HARDWARE that does not meet S2Konnect's Limited Warranty and which is returned to S2Konnect with a copy of your receipt. This Limited Warranty is void if failure of the SOFTWARE or HARDWARE has resulted from accident, abuse, or misapplication. Any replacement SOFTWARE will be warranted by S2Konnect only for the remainder of the original warranty period or 30 days, whichever is longer. Any replacement HARDWARE will be warranted for the remainder of the original warranty period or 6 months, whichever is longer.

No other Warranties

S2Konnect disclaims all other warranties or liabilities with respect to the SOFTWARE, the HARDWARE, the accompanying Product Manual(s) and other written materials and any other accessories.

No Liability for Consequential Damages

S2Konnect does not warrant the software and Hardware for a specific application, nor does S2Konnect accept any consequential damages due to the use of the hardware or software. S2Konnect and its suppliers shall not be liable for any other damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information or data, property loss or other pecuniary loss), arising out of the use of or the inability to use this S2Konnect product, even if S2Konnect has been advised of the possibility of such damages. In any case, S2Konnect's entire liability shall be limited to the amount actually paid by you for the product.

Other

This agreement is governed by the procedural and substantive laws of the Federal Republic of Germany. UN Trade Laws shall not be applicable in any case. Place of litigation is Karlsruhe, FRG, as far as this can be agreed upon operatively in this way.

Should individual stipulations of this Agreement be or become invalid, this invalid stipulation shall be replaced by a stipulation, which is as close as possible to the invalid stipulation.

Should you have any questions concerning this Agreement, or if you desire to contact S2Konnect for any reason, please use the address information enclosed in this product or write to: S2Konnect GmbH, Siemensstrasse 23, D-76275 Ettlingen, Germany.



Deutschland, Schweiz, Österreich, Liechtenstein

Verehrte Kundin, verehrter Kunde,

wenn Sie Ihr S2Konnect Produkt in DEUTSCHLAND, in der SCHWEIZ, in ÖSTERREICH oder in LIECHTENSTEIN erworben haben, gilt für Sie der folgende Lizenz- und Kaufvertrag. Dies ist ein rechtsgültiger Vertrag zwischen Ihnen, dem Endanwender, und der S2Konnect GmbH mit Sitz in Ettlingen/Bundesrepublik Deutschland.

S2Konnect Lizenz- und Kaufvertrag

Durch Öffnen der versiegelten Diskettenpackung und durch die Inbesitznahme der Hardware erklären Sie sich an die Bestimmungen der nachfolgenden Vereinbarung gebunden. Wenn Sie mit den Bestimmungen dieses Vertrages nicht einverstanden sind, geben Sie bitte die Diskettenpackung und die Hardware ungeöffnet und unbenutzt mit den Begleitgegenständen (einschließlich aller schriftlichen Unterlagen und dem sonstigen Zubehör) unverzüglich gegen volle Rückerstattung des Preises an die Stelle zurück, von der Sie sie bezogen haben.

Einräumung einer Software-Lizenz

Diese S2Konnect Lizenzvereinbarung (Lizenz) gibt Ihnen die Berechtigung, eine Kopie des S2Konnect Software Produktes, das mit dieser Lizenz (Software) erworben wurde, auf einem Einzelcomputer unter der Voraussetzung benutzen, dass die Software zu jeder beliebigen Zeit auf nur einem einzigen Computer verwendet wird. Wenn Sie Mehrfachlizenzen für die Software erworben haben, dürfen Sie immer nur höchstens so viele Kopien in Benutzung haben, wie Sie Lizenzen besitzen. Die Software ist auf einem Computer "in Benutzung", wenn Sie in den Zwischenspeicher (d.h., RAM) geladen oder in einem Permanentspeicher (z.B. einer Festplatte oder einer anderen Speichervorrichtung) dieses Computers gespeichert ist, mit der Ausnahme, dass eine Kopie, die auf einem Netzserver zu dem alleinigen Zweck der Verteilung an andere Computer installiert ist, nicht "in Benutzung" ist. Wenn die voraussichtliche Zahl der Benutzer der Software die Zahl der erworbenen Lizenzen übersteigt, müssen Sie angemessene Mechanismen oder Verfahren bereithalten, um sicherzustellen, dass die Zahl der Personen, die die Software gleichzeitig benutzen, nicht die Zahl der Lizenzen übersteigt.

Wenn die Software permanent auf einer Festplatte oder einer anderen Speichervorrichtung eines Computers, der kein Netzserver ist, installiert wird und eine einzige Person diesen Computer zu mehr als 80 % der Zeit benutzt, die er in Benutzung ist, darf diese eine Person die Software auch auf einem tragbaren Computer oder einem Heimcomputer benutzen.

Urheberrecht

Die Software ist Eigentum von S2Konnect oder deren Lieferanten und ist durch Urheberrechtsgesetze, internationale Verträge und andere nationale Rechtsvorschriften gegen Kopieren geschützt.

Wenn die Software nicht mit einem technischen Schutz gegen Kopieren ausgestattet ist, dürfen Sie entweder eine einzige Kopie der Software ausschließlich für Sicherungsoder Archivierungszwecken machen die Software auf eine einzige Festplatte übertragen, sofern Sie das Original ausschließlich zu Sicherungs- und Archivierungszwecken
aufbewahren.

Sie dürfen weder die Handbücher des Produktes noch anderes schriftliches Begleitmaterial zur Software oder Hardware kopieren.

Weitere Beschränkungen

Sie dürfen die Software oder Hardware weder vermieten noch verleihen, aber Sie dürfen die Rechte aus diesem S2Konnect Lizenzund Kaufvertrag auf Dauer auf einen anderen übertragen, vorausgesetzt, dass Sie alle Kopien der Software und das gesamte schriftliche Begleitmaterial übertragen und der Empfänger sich mit den Bestimmungen dieses Vertrages einverstanden erklärt. Zurückentwickeln (Reverse Engineering), Dekompilieren und Entassemblieren der Software sind nicht gestattet. Eine Übertragung muß die letzte aktuelle Version (Update) und alle früheren Versionen umfassen.

Hardware

Mit der Inbesitznahme (Übergabe) dieser Hardware geht die Gefahr auf Sie, den Endanwender über. Eigenschaften wurden nicht zugesichert.

Beschränkte Garantie für Hardware und Software

S2Konnect garantiert für einen Zeitraum von 90 Tagen ab Empfangsdatum, dass die Software, soweit die technischen Voraussetzungen hierfür von Ihnen geschaffen wurden, im wesentlichen gemäß der begleitenden Dokumentation arbeitet. S2Konnect garantiert für Netzwerkadapterkarten für einen Zeitraum von 5 Jahren, Infrastrukturkomponenten (z.B. Konzentratoren, Hubs, Switches) für einen Zeitraum von 2 Jahren und die sonstige Hardware für einen Zeitraum von 6 Monaten ab Empfangsdatum, dass die gelieferte Hardware bei normaler Benutzung und Wartung frei von Material- oder Verarbeitungsfehlern ist. Die Garantie ist bezüglich der Software auf 90 Tage, bezüglich der Netzwerkadapter auf 5 Jahre für Infrastrukturkomponenten auf 2 Jahre und bezüglich der sonstigen Hardware auf 6 Monate beschränkt. Diese Garantie wird von S2Konnect als Hersteller des Produktes übernommen; etwaige gesetzliche Gewährleistungs- oder Haftungsansprüche gegen den Händler, von dem Sie Ihr Exemplar der Software oder Hardware bezogen haben, werden hierdurch weder ersetzt noch beschränkt.

