

SSR/525

Virtual Private Network (VPN) Server



- ✓ **Full Compatible with SSV Remote Access Gateways**
- ✓ **Up to 500 Simultaneous Persistent Connections**
- ✓ **Managed Groups with Client Access Control**
- ✓ **Large Field-tested Firewall Rules**
- ✓ **Strong State-of-the-Art Encryption**
- ✓ **Autonomous Reconnection**

Description

The SSR/525 as VPN server interconnects over SSV Remote Access Gateways (RAGs) complete networks, machines, plants, control centers as well as the teleservice computers of the responsible service personnel comfortably and flexible through the Internet. The RAGs and teleservice computers are the VPN client systems.

The integrated web server of the connected RAGs makes the plant data available over the corporate network or Internet for many different purposes like monitoring or visualization. It allows the mobile access with a notebook, tablet, smartphone or further devices within the plant and enables an always up-to-date overview of the system state.

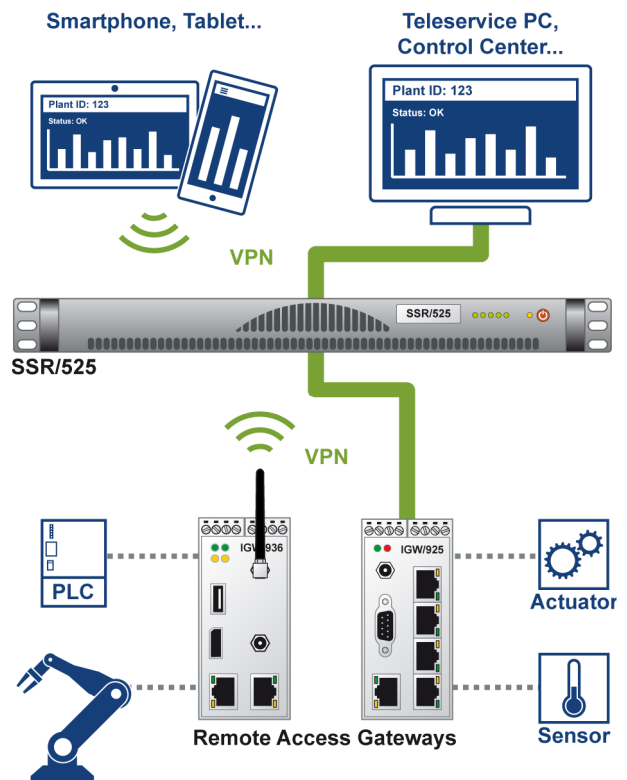
The connection of the SSR/525 with a plant is realized within a few minutes and the connected component can be accessed transparently right away.

The SSR/525 is quick and easy put into operation and requires only minimal coordination with the IT department. The complicated and error-prone configuration of gateways and teleservice computers is omitted, because each configuration file is generated automatically by the server and can be simply imported into the particular devices. The connection is always established from client to server, so there is only minimal intervention in the existing network.

All users, groups, access permissions, configuration files and certificates are administrated over a web user interface. The hardware and administration stay in the own company.

The SSR/525 is preconfigured to run out of the box and does not need any further software.

Overview



Typical infrastructure of the SSR/525

Specifications

Processor	
Manufacturer / Type	Intel Atom D525 Dual Core
Clock speed	1.8 GHz per core
Memory	
RAM	4 GB SDRAM
HDD	1x 1000 GB
Interfaces	
Ethernet	2x 10/100/1000 Mbps (RJ45)
Software	
Operating system	64-bit Linux kernel version 2.6
Web server	Apache 2
Database	MySQL
Programming environment	PHP, Python
IP address assignment	Static, DHCP
Protocol stack	TCP/IPv4
TCP servers	HTTP(S), SSH, OpenVPN
Security protocols	SSL/TLS
Firewall	netfilter + iptables
Configuration	WebUI
Miscellaneous	Automatic backup & restore of server configuration Fail2ban intrusion prevention system
Electrical Characteristics	
Power supply	250 VAC
Power consumption	< 150 W
Mechanical Characteristics	
Case	1U case for 19"-rack mounting
Mass	< 5 kg
Dimensions (HxWxD)	1U/1,75" (44.45 mm) x 19" (482.6 mm) x 14.7" (373 mm)
Operating temp.	0 .. 45 °C
Standards and Certifications	
EMC	CE
Environmental standards	RoHS, WEEE
Order information	
Order number	PX-83194

Scope of Delivery

- 1x VPN Server SSR/525
- 1x 19"-Rack mounting kit
- 1x Cold device power cord

Product Variants

- Virtual VPN Server vSSR/525 (requires own server hardware)
- Cloud-based VPN Server cSSR/525 (requires Amazon AWS account and runtime)

Customized variants with preinstalled configuration and/or individual case design on request

Suitable Products

- VPN Remote Access Gateway IGW/922
- Wireless VPN Remote Access Gateways IGW/922-G/UW
- VPN Remote Access Gateway IGW/925
- Wireless VPN Remote Access Gateways IGW/925-G/UW
- Web Application Gateway IGW/935
- Wireless Application Gateway with LTE-Router IGW/936-L
- CAN2IP Gateway IGW/963

Contact Information

Please don't hesitate to contact us for more information about our products and services.

SSV Software Systems GmbH
Dünenweg 5
D-30419 Hannover

Phone: **+49(0)511 / 40 000-0**
Fax: **+49(0)511 / 40 000-40**

sales@ssv-embedded.de
www.ssv-embedded.de