

Press Release

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Customizable 3G Gateway

Open source-based 3G gateway fits in a lot of different applications through various software extensions

With the IGW/922-U SSV announces an immediately operational Internet remote access gateway for DIN-rail mounting. The Internet communication takes place via the cellular communication networks with the help of an internal GSM/GPRS downward-compatible 3G HSPA interface. To connect the IGW/922-U to other systems two 10/100 Mbps Ethernet LAN interfaces, 1x RS232 as Sub D plug connector, 1x RS232/RS485 on a strip and an alarm and/or a switching exit are available. Voltage supply takes place by an external 24 VDC power supply. As accessories optionally a portable radio magnet foot antenna inclusive HF-extension cord is available.

The preinstalled software of the IGW/922-U is especially optimized for the 3G based remote access on decentralized plants focused on the access protection. Beside SSL and IPSec based VPN functions a highly efficient Firewall is embedded into the firmware. Through that, the remote access can be secured individually. In addition, different proxy server functions are integrated into the software. So for example an authorized user is able to access all units of a plant via VPN tunnel by using the integrated IGW/922-U access proxy server (SSV/APS). For this, the SSV/APS is connected to near field devices by using its special communication protocols and emulates the corresponding communication partner.

The IGW/922-U is equipped with two Web servers (1x HTTP, 1x HTTP/HTTPS), which work completely independent. One of these uses the TCP port 7777 and is reserved for configuration tasks. Through this server which offers a password protection, all system functions can easily be adjusted by using a standard Web browser. The second Web server uses TCP port 80 (HTTP) and/or 443 (HTTPS). It is reserved for Web-based user extensions. It can be used to visualize arbitrary data of external units via Web browser. For application developers there is a development environment for C/C++ programming as well as the design of own web pages with HTML, CSS and JavaScript. For a rich set of application scenarios source codes and examples are available. So operating data from Photovoltaic inverters of different manufacturers can be accessed by the IGW/922-U via Ethernet or RS485 and transferred to internet portals or cloud storage solutions. If necessary, Modbus drivers can be added also.

This press release with the associated picture and further information you will find on our web page www.ssv-comm.de

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