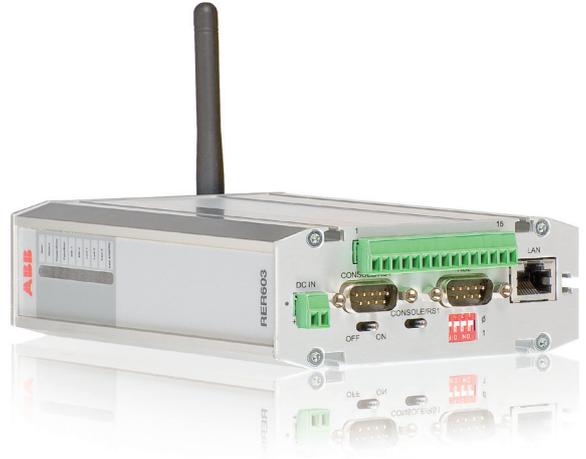


Grid automation solutions with RER601 and RER603

The wireless gateways RER601 and RER603 are a compact solution specially designed to fulfill the wireless connectivity requirements of distribution networks. RER601 and RER603 provide a secure connection between the network control center and a secondary substation.



RER601 and RER603

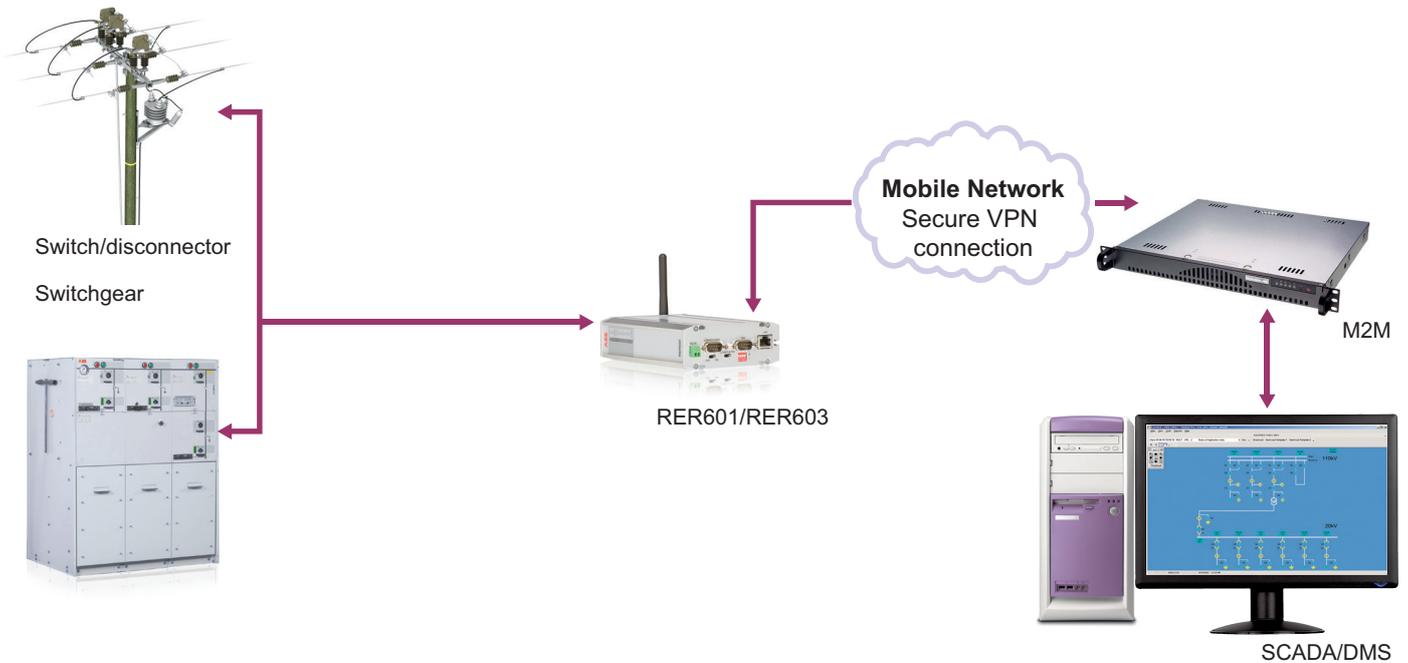
The wireless gateways RER601 and RER603 are versatile and reliable communication equipment for automating distribution networks. RER601 and RER603 provide a secure, wireless connection between a secondary substation and the network control center.

With a secure, built-in, end-to-end VPN connection, RER601 and RER603 provide a safe connection over any GPRS network. RER601 and RER603 come in a single, robust aluminum casing designed for easy DIN-rail mounting and suitable for harsh environmental conditions.

Key benefits:

- Reliable and robust, suitable even for the most remote locations
- Built-in GPRS communication and secure VPN connection to M2M Gateway
- Local HMI panel with LED indication
- Web HMI tool

	RER601	RER603
Serial interfaces	2	2
Ethernet ports	1	1
GPRS module	Inbuild secure VPN connection	Inbuild secure VPN connection
Binary inputs/outputs	None	8/2
Dimensions	45 x 175 x 108 mm	45 x 175 x 108 mm



Solution example with RER601/RER603

Grid automation solution

RER601 and RER603 connect to SCADA/DMS via the M2M gateway using the standard IEC 60870-5-104 protocol.

RER601 and RER603 connects to the M2M gateway over a secure VPN tunneling using any public mobile GSM/GPRS network. This connection is secure and supports both fixed and cost-effective dynamic IP addresses.

RER601 and RER603 connect to RMUs, switches and other devices using the IEC 60870-5-101 protocol.

The key benefits of RER601 and RER603 - compact and robust design, and an integrated and secure wireless connection - make it well suited for gateway applications in distribution networks.

Together with the wireless gateways RER601 and RER603, also conventional IEC 60870-101 devices can be attached to a modern TCP/IP-based IEC 60870-5-104 control system. This is possible since RER601 and RER603 act as a converter between IEC 60870-5-101 and IEC 60870-104. RER601 and RER603 also work in the transparent mode which enables transferring any protocol data, including DNP3.

The wireless gateways RER601 and RER603 can be used in most grid automation applications to automate distribution networks. RER601 and RER603 are intended for unmanned, remote substations, and for monitoring transformers in distribution networks. RER601 and RER603 can also be used in other monitoring and control applications in various industries.

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