

Grid automation solutions with REC601 and REC603

The wireless controllers REC601 and REC603 are a compact solution specially designed to fulfill the unique requirements of secondary substation automation, such equipment as ring main units (RMUs), pole-mounted switches and disconnectors.



REC601 and REC603

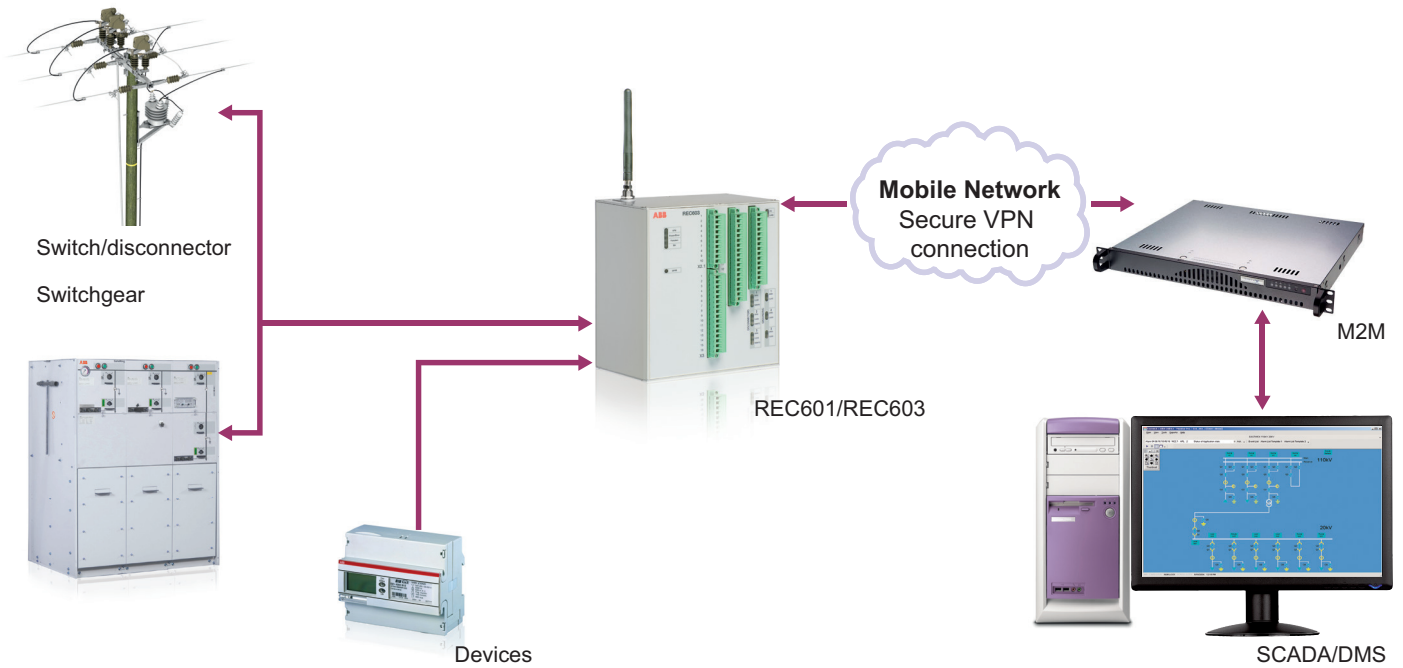
The wireless controllers REC601 and REC603 are significant and powerful equipment in an automated distribution network. REC601 and REC603 provide a reliable solution and meet most functionality requirements for secondary substation automation.

With a secure, built-in, end-to-end VPN connection, REC601 and REC603 provide a safe communication over any GPRS network. REC601 and REC603 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
- Built-in, intelligent battery charger
- Improved fault management using external FPI
- Local HMI panel with LED indication
- Web HMI tool

	REC601	REC603
Serial interfaces	2	2
Ethernet ports	1	1
GPRS module	Built-in Secure VPN connection	Built-in Secure VPN connection
Battery charger	Built-in	Built-in
Binary inputs/outputs	6/6 (control and indication of 1 object)	16/10 (control and indication of 3 objects)
Dimensions	150 x 177 x 135 mm	150 x 177 x 135 mm



Solution example with REC601/REC603

Grid automation solution

REC601 and REC603 connect to SCADA/DMS via the M2M gateway using the standard IEC 60870-5-104 protocol.

REC601 and REC603 connect 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.

REC601 and REC603 connect to RMUs, switches and other devices using either the IEC 60870-5-101 or Modbus protocol.

The key benefits of REC601 and REC603 - compact and robust design, built-in I/Os, an integrated and secure wireless connection, and a built-in battery charger - make them well suited for most secondary substation automation requirements.

Using the wireless controllers REC601 and REC603 in distribution networks improves the quality of power distribution and significantly reduces the outage time in affected areas. Also, the need to replace legacy devices in the distribution network is reduced and preventive maintenance facilitated, resulting in direct cost savings.

The wireless controllers REC601 and REC603 are ideally suited to be retrofitted in existing secondary substation equipment, thus enabling remote control and extending the life cycle of the equipment further.

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