

Grid automation solutions with RTU products

RTU products are well established for grid automation applications. The cost-effective product solutions of our RTU540 product line support a wide variety of protocols.



RTU540 product line product line

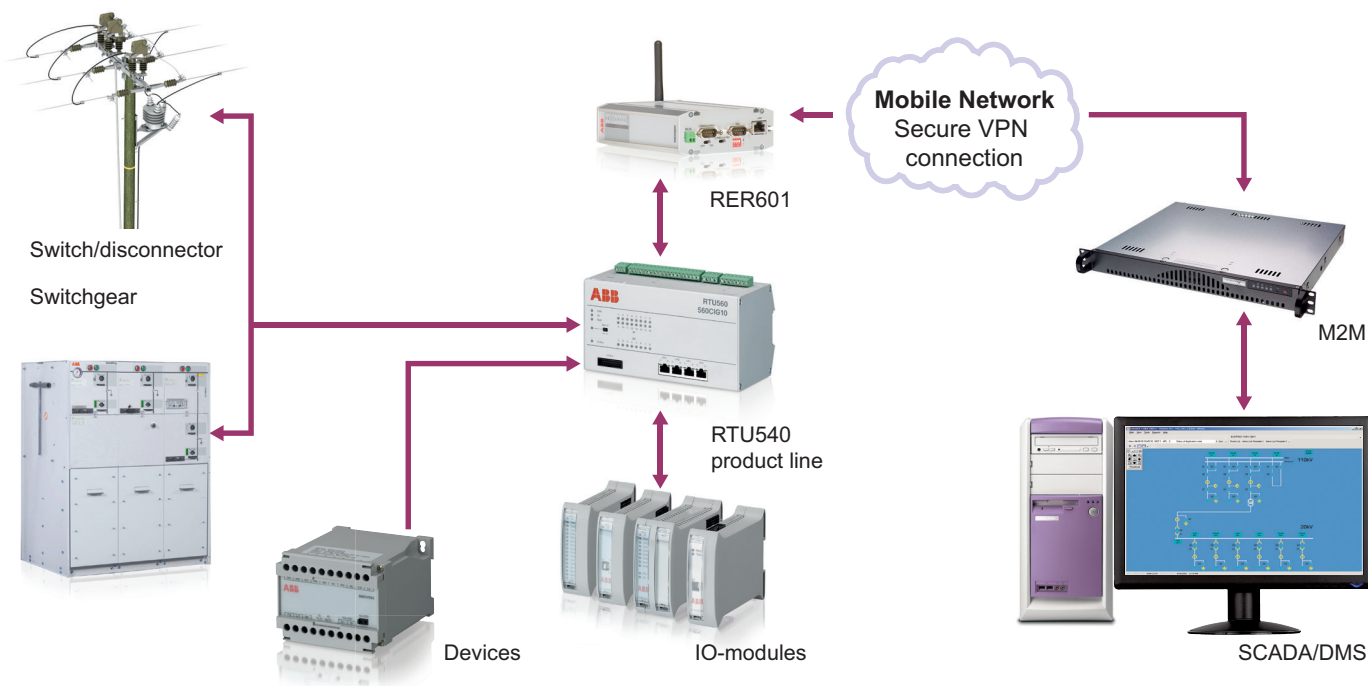
The RTU540 product line product line comprises DIN rail RTUs in a metal housing for limited space requirements. Nonetheless, the RTU540 product line product line offers high functionality ranging from communication redundancy and support of full software functionality to central or distributed input/output (I/O) modules. To correspond to specific requirements the RTU540 product line product line is optionally available with integrated I/Os.

Key benefits

- Full functionality in a solid compact housing suitable even for critical environmental conditions
- Wide range of communication protocols
- Extendable with central and distributed I/Os
- Compact housing available with integrated I/Os
- Support of third party devices (e.g. Modbus)
- Support of full software functionality

RTU540 product line versions

	560CMG10	560CIG10	560CMD11	560CID11
Serial interfaces	3	3	4	4
Ethernet ports	1	1	2	2
Integrated I/Os		16 binary inputs 8 binary outputs 8 analog inputs		16 binary inputs 8 binary outputs 8 analog inputs
Extension I/Os	Binary inputs/outputs	Binary inputs/outputs	Binary inputs/outputs	Binary inputs/outputs
	Analog inputs/outputs	Analog inputs/outputs	Analog inputs/outputs	Analog inputs/outputs
	Direct analog inputs	Direct analog inputs	Direct analog inputs	Direct analog inputs
	Optional: Fault current detection	Optional: Fault current detection	Optional: Fault current detection	Optional: Fault current detection
Dimensions	204 x 105 x 55 mm	204 x 105 x 90 mm	204 x 105 x 55 mm	204 x 105 x 90 mm



Solution example with RTU540 product line

Grid automation solution

RTU540 product line connects to SCADA/DMS via RER601 and the M2M gateway using the standard IEC 60870-5-104 protocol.

RTU540 product line 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.

RTU540 product line connects to RMUs, switches and other devices using several different protocols, including IEC IEC 60870-5-101, Modbus and DNP3, for instance.

The key benefits of RTU540 product line - modular and programmable design, support for multiple protocols, and an integrated and secure wireless connection (using RER601) - make it well suited for distribution network automation.

High functionality combined with compact housing make the RTU540 product line product line suitable for applications in secondary distribution substations.

- Monitoring and control
- Fault current indication and medium voltage measurements
- Metering function
- Supervision of power quality

Integration in RTU500 series

The RTU540 product line product line is part of our RTU500 series. To ensure that our products are suitable for your specific system the RTU500 series is structured in product lines, modules and functions and software.

The product lines of RTU500 series make it easy to find the perfect match for a specific application.

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