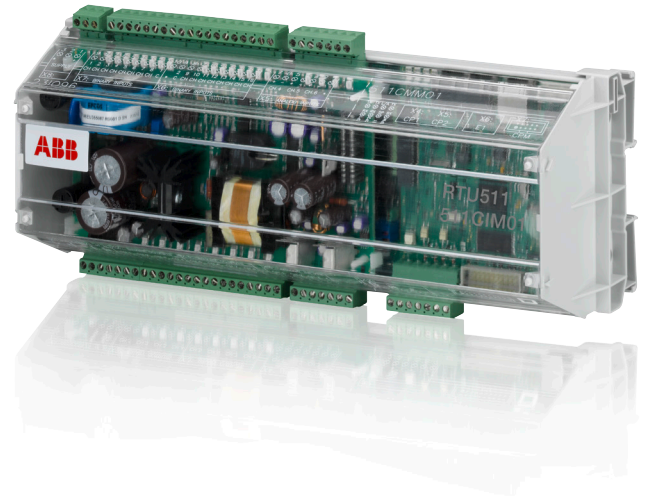


## RTU511 product line

Cost beneficial products for large projects and feeder automation

The RTU511 product line is ABB's cost efficient offer in a tailored housing. These products are suitable for a high temperature range and installations with limited amount of space. Migration from installed RTU211 is easily feasible with the new RTU511.



### RTU511 product line

The RTU511 product line includes all DIN rail RTUs in a compact, tailored housing offering high functionality. The recently released cost-efficient RTU features a state-of-the-art processor based on ARM technology for high functionality and limited space requirements. Thanks to the tailored housing a flexible integration of I/Os is possible to adapt the RTU to specific requirements. Furthermore, existing RTU211 installations can be migrated to RTU511 with only little effort and replacement parts.

The recently introduced product 511CIM01 comprises a communication unit, a Multi-I/O board (16 binary inputs, 8 binary outputs, 6 analog inputs) and a wide-range power supply with optional battery buffered real time clock.

### Your benefits

- Cost-efficient RTU in a tailored housing
- Modern processor with ARM-based technology
- Flexible number of I/Os which can be integrated thanks to scalable housing
- Suitable for limited space requirements
- Easy migration of existing RTU211 installations

### Highlights

Integrated I/Os for limited space

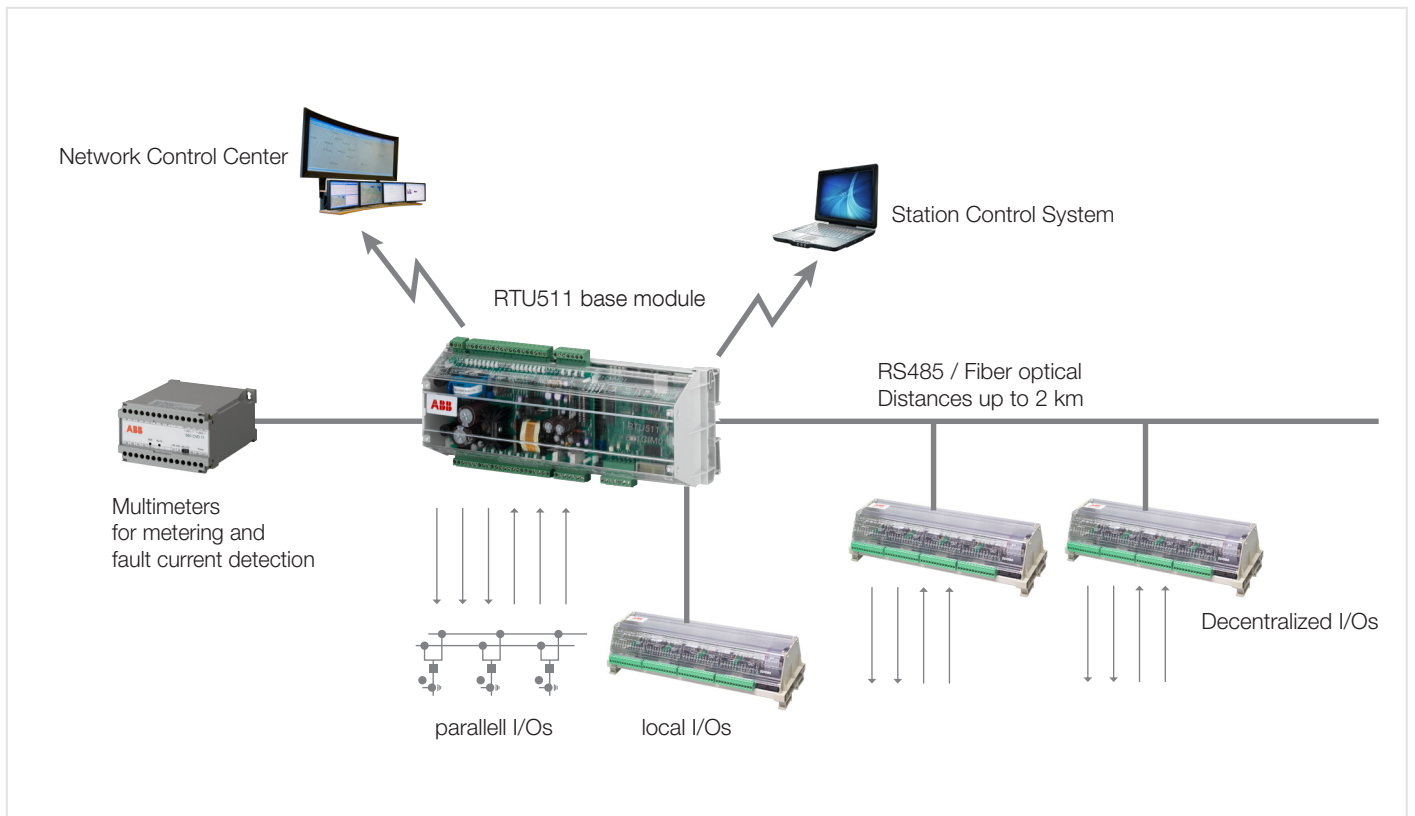
The RTU511 product line comes with a tailored housing allowing for a flexible integration of I/Os. Thanks to the integrated I/Os combined with the scalable housing, the RTU511 is suitable for limited spaces. If necessary, further local and remote I/Os can be added. This scalability of RTU511 enables customers to adapt the product to their requirements – with an adequate functionality for an optimized price.

### Migration from RTU211 to RTU511

To protect customer investments over a long time, existing RTU211 installations can be upgraded to RTU511 with only little effort. The available migration kit makes it very easy to exchange the CMU and the housing in just a few steps. The RTU211 multi I/O module and power supply unit can be re-used in the new housing together with the new CMU module.

All existing extension I/Os including the wiring remain unchanged.

Besides the hardware upgrade, the import of existing RTU211 configurations is supported within RTUutil 500.



Application example with RTU511

### Application areas

#### Feeder automation:

- Monitoring and control of ring main units
- Fault current detection
- Monitoring and control of pole top switches
- Capacitor bank control
- Supervision of decentralized energy resources (DER)
- Volt/Var regulation
- Direct measurement of voltage and current
- Energy and power calculation

#### Process automation (oil/gas, water):

- Wellhead automation
- Pipeline supervision
- Control monitoring of pumping stations
- Control and monitoring of water reservoirs and pumping stations
- Waste water

### Integration in RTU500 series

The RTU511 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 your specific application.

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