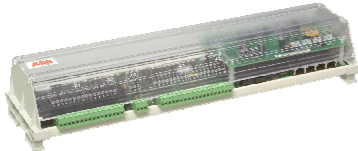


## Product News

### Hardware

#### RTU560 for DIN rail

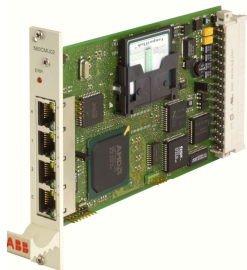
The latest addition to the DIN rail RTU portfolio comes with a scalable housing. The processor and power supply can be combined with up to 4 integrated I/O modules.



The housing can accommodate up to 4 binary input/output, analog input/output or temperature sensor modules. These capabilities make the solution very flexible and allow adapting to the customer needs. As full member of the RTU560 product family this DIN rail solution supports IEC 61850 within the base functionality. Advanced functions like PLC or HMI are also offered.

#### More flexibility with 560CMU02 R0002

The 560CMU02 R0002 has been designed to support smaller applications with up to 750 data points and advanced requirements. This communication board provides 2 Ethernet ports and two serial ports (RS232 or RS485).



Therefore this unit can be used to communicate to an NCC via a TCP/IP based protocol like IEC 60870-5-104 or DNP3.0 and via IEC 61850 to the station bus.

The 560CMU02 R0002 can be used in multiple CMU configurations and supports redundant configurations.

#### New racks 560SFR02 and 560MPR03 released

Redundant power supply, multiple CMUs and I/O boards in one rack are now possible with the newly released racks. The **Swing Frame Rack** and **Mounting Plate Rack** expand the flexibility of the RTU560 rack based solution even more.

The 560SFR02 and 560MPR03 are capable of single power supply solution or redundant power supply solution independent on whether they are used as pure communication rack,



pure I/O extension rack or combinations of both. In these new racks you can now combine more than 2 CMUs with I/O modules and redundant power supply.

#### 560NMS24

In order to further extend the communication capabilities of the RTU560 a new module has been released. The rack mounted managed switch provides 4 fast Ethernet ports and 2 DSL interfaces. Since it is integrated into the RTU rack it makes additional wiring and additional power supplies needless.



The bandwidth is configurable from 192 kbit/s to 6 Mbit/s. The unit provides automatic through-connection in case of power cut and can be used for ring configurations. The 560NMS24 has a web server implemented which can be used for the configuration of the unit.

#### Supporting products:



The RMS 521 is a stand-alone DIN rail unit which has 1 Ethernet port and 2 DSL ports. It is compatible to the 560NMS24.

## Project News

### BKW FMB Energy Ltd

ABB's customer BKW supplies electricity to a million persons in Switzerland. In the course of the BKW project "Quelldatenverbund" (Data out of one source) RTUtil with LSB ABB was able to find a project specific solution for the optimization of the data input. PSI delivered the control system whereas the remote control system was provided by ABB. Data that has already been entered in the PSI control system will be transmitted through a data exchange in csv format in the engineering tool RTUtil. The data management and the version management (source control) of all relevant RTU560 data are done in the database of the control system. They will be imported in the remote control system via remote control lines. This solution can as well be applied for other projects.

**KEMA certification for IEC 60870-5-104**

We are glad to announce that since April 2010 IEC 60870-5-104 is now certified with the attestation of conformity by KEMA Nederland B.V. ABB Norway performed this certification in cooperation with KEMA Nederland B.V. The global focus factory, ABB Germany, assisted the Norwegian colleagues within their support agreement. This certification helps us to be more competitive not only in the Norwegian market.



This year's Network Management Forum gives the opportunity to collect first-hand information about new developments in the field of Power Technology Systems in several forums (e.g. Remote Control).

October 4, 2010	October 5, 2010	October 6, 2010	October 7, 2010
Room: Großer Saal			
		Network Manager & Network Manager Gas <span style="float: right;">[G/E]</span> Remote Control <span style="float: right;">[G/E]</span>	
Room: Kammerrmusiksaal			
Protection and Station Automation <span style="float: right;">[G]</span>			
Room: Robert Schumann			
		EPC Day <span style="float: right;">[G]</span> Consultant Days <span style="float: right;">[G]</span> Network Manager GMS <span style="float: right;">[G]</span>	
Raum/Room: Ballsaal			
		RTU Days <span style="float: right;">[G]</span> MicroSCADA Pro Release Training <span style="float: right;">[G]</span>	
Ausstellung/Exhibition			
<div style="display: flex; justify-content: space-between;"> <div> <p><span style="background-color: #0070C0; color: white; padding: 2px;"> </span> Customer event</p> <p><span style="border: 1px dashed gray; padding: 2px;"> </span> Partner event</p> <p><span style="border: 1px dotted gray; padding: 2px;"> </span> Consultant event</p> </div> <div> <p><span style="border: 1px solid gray; padding: 2px;"> </span> Simultaneous translation will be provided</p> <p><span style="border: 1px solid gray; padding: 2px;"> </span> Separate invitation</p> <p><span style="border: 1px solid gray; padding: 2px;"> </span> German only</p> <p><span style="border: 1px solid gray; padding: 2px;"> </span> English only</p> </div> </div>			

**Service and Training**

**IEC 61850 client and server configuration training course**

The first ABB RTU560 IEC 61850 client and server configuration course was successfully held in May 2010. During 5 days participants were trained in the configuration of the RTU560 as IEC 61850 client (gateway) and server (IED Proxy). They learned how to commission RTU560 as IEC 61850 client, server and GOOSE configuration and were given a basic knowledge and practice of necessary tools for configuration and protocol analysis.



**RTU in ABB Automation Power World 2010**

ABB Automation & Power World 2010, held in Houston, Texas, May 18-21, exceeded event attendance expectations and prior year event attendance by more than 30 %. The conference attracted a record number of participants for any ABB event worldwide, totaling more than 4,000 attendees.



The DIN rail RTU was exhibited within the Substation Automation booth based on 560CIG10 and 560CMG10. The Power Products Medium Voltage group presented the ABB GridGuard™ switch with an integrated RTU560 in a smart grid application for fault detection isolation restoration (FDIR). The switch was monitored and controlled with 560CIG10 and 560CVT10.

**Events / Exhibitions**

**Network Management Forum, October 5 to 7, 2010**

We are pleased to inform you that the Network Management Forum 2010 takes place in Heidelberg, Germany from October 5 to 7, 2010. We kindly invite you to participate in this event.



Customer event Network Management Forum 2009

More detailed information on all topics is available. Please contact:

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