## **RTU B300**

BRE ELETTRONICA S.r.I. Telemetry Systems

INGEGNERIE TOSCANE

Multiprotocol advanced RTU (Remote Terminal Unit) with local processing capability, compact modular construction, provided for installation on DIN rail.



The B300 RTU is a modular system composed of a CPU and of several Input/Output modules.

The CPU module is equipped with some Input/Output lines and can be used in a standalone configuration, without additional modules, when the on board I/O lines are sufficient for the specific application.

- CPU module
  - Calculation power ensured by the ARM microprocessor.
  - 2 GB non-volatile memory on SD card.
  - On board Input/Output lines: 12 Digital Input, 4 Analog Input, 2 Digital Output.
  - Communication ports: Ethernet port, USB port, n. 2 RS232 serial port, RS485 serial port, Bluetooth functionality.
  - CAN port to connect expansion modules that can be local or distributed on the plant under control.
  - Communication protocols: IEC 60870-5-101, IEC 60870-5-104, MODBUS TCP, MODBUS RTU, ELEKTRON SIGMA, CAN Open.
    - GSM/GPRS module on board with external antenna connector.

- Bluetooth on board.
- PLC function to implement local automations, programmable with a powerful integrated development environment which supports all the five programming languages required by the IEC 61131-3 standard.
- DI-16 module
  - 16 opto-isolated input channels
  - LED for input channels status and CAN bus connection status
  - AI-08 module
    - 8 analog input channels
      - LED for CAN bus connection status
  - Digital Output DO-08 module
    - 8 output channels on relays contacts
    - LED for output channels status and CAN bus connection status

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IEC104 Setup					
	General parameters		<ul> <li>Advanced RTU for telecontrol systems, with local automation capability</li> </ul>		
	🗹 Enable				
	2404 Port 2405 Redundant por	t			
	1 ASDU address	frames	<ul> <li>Obsolete RTU replacement</li> </ul>		
5	8 w - Acknowledge received I fra	ames	Process control Gateway		
6	15     t1(s) - Timeout sending or tes       10     t2(s) - Timeout for ack in cas       30     t3(s) - Idle timeout for sendi	se of no data	PLC module		
10.100.111.	Actterm				
⇒ C	Event queue size				
	100 Single point 100 Normalized measure				
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	Hid on boot 85 on Com2	0**			
COM_1	<ul> <li>Console port (115200 N81)</li> <li>Time zone</li> </ul>				
250	Short pulse(ms)	8300	Aut		
1000	Long pulse(ms)				
Save	Home	Const Const Preprocessing VO completed Preprocessing VO completed Preprocessing State State Completed Preprocessing State State Completed Preprocessing State State Completed C warning. S wroce.	P X         Immun         P X           P1445         PC0B         R2/960         BUN         S           A1005         HC004CAT         S4/800         BUN         S           A100         HC004CAT         S4/800         BUN         S           A100         HC004CAT         S4/800         BUN         S           A100         HC004         BUN         S         S           A100         HC004         BUN         S         S		
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