

pbs2008RTU AMS-R30-RTU

- Low cost
- Low power
- Small size fully packaged RTU
- Support multiple industry standard
- Support multiple communication protocols
- Internal Integrated cellular modem (GPRS/3G)
- IEC 61000-4-4:2012 Burst Certificate
- IEC 61000-4-5:2014 Surge Certificate

Features

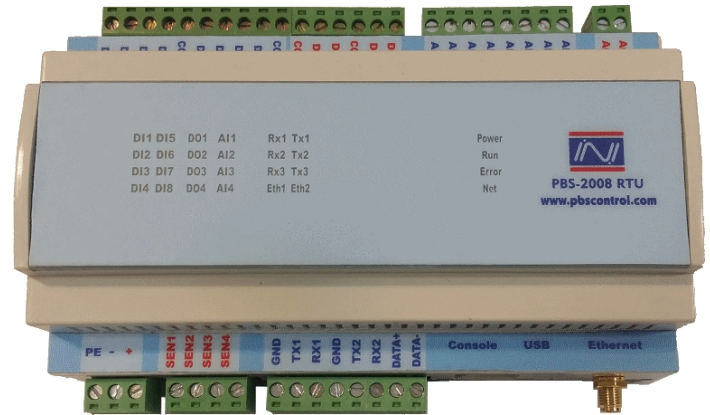
- 8x digital Inputs (4 x Channel 1Khz Counter with Totalizer FB) / 4 x digital output
- 4x analog Inputs /2x Temperature Input DS18B20
- pbsSoftLogic IEC61131 based Programming Environment (Function Block, Lua)
- All indicators, Serial Interfaces and I/O connectors are via the front of the unit allowing ease of access.
- Wide communication platform 2xRS232 - 1xRS485 -1x 10/100Ethernet

Applications

- Electricity and Gas Distribution SCADA Systems
- Hydro system (water supply, reservoirs, sewage systems)
- Electrical power transmission networks and associated equipment
- Power plant and electricity substations equipment
- Natural gas networks and associated equipment
- Oil and gas (offshore platforms, onshore oil wells)
- Networks of pump stations (wastewater collection, or for water supply)
- Environmental monitoring systems (pollution, air quality, emissions monitoring)
- Mine sites
- Air traffic equipment such as navigation aids (DVOR, DME, ILS and GP)
- Building Management System

PBS Control
Industrial Software Solutions

Process Control • Building Automation • SCADA Platform



Technical Specification		
Power Supply and Consumption	External Power	+9-36 VDC
	Power Consumption	Sleep Mode : 3G Modem is off 2~2.5 W Normal Mode : 4~5 W
	Internal RTC Power	3V Coin Cell - Type 2023
I/O	Digital Input	8Ch (+12-30VDC) Isolation 2K Vrms / 3K VDC ,4Ch 1 KHz Counter
	Digital Output	4Ch (Relay 2A ~ 250V)
	Analog Input	4Ch 12Bit (4-20mA / 0-20mA / 0-5V)
	Temperature Input	2 Ch DS18B20 (-60 to +120 c)
Communication	Internal	2x Serial RS232 (without Handshaking) 1x Serial RS485 1x 10/100 Ethernet
	Cellular Modem	Internal WCDMA Modem (2G/3G) GSM/GPRS/EDGE/UMTS/HSDPA
	Protocol	DNP3 Master/Slave IEC870-5-101/104 Master /Slave IEC870-5-103 Master Siemens S7-Connect Client Modbus RTU Master/Slave Modbus TCP Client /Server GSP Client OPC UA Server (DA,AE,HD) Interface SQLite Driver for local data archiving With MS SQL Server Direct Client Driver
CPU	CPU	32-bit ARM Cortex A8 @ 1GHz
	Memory	Flash 4GB (EMMC) RAM 512 MB DDR3 Micro SD Slot: Up to 32GB
Programming Tools	pbsSoftLogic Platform IEC61131	Function Block User defined FB by Lua Scripting
	Operating system	Embedded Linux
Real Time Clock	Internal RTC	Accuracy 5 sec in year @ 25°C

Physical	Size (WxHxD)	157.5x91x58.4 mm 6.2x3.58x2.3 inches
	Material	ABS UL-94-HB
Mounting	DIN Rail mounting	Wall Mounting Available
Environmental Parameter	Temperature	-30°C ~ 70°C
	Humidity	0 ~ 95 % non-condensing

