Z-miniRTU

GSM/GPRS TELECONTROL UNIT WITH BUILT-IN IO AND STRATON SOFTPLC

Z-miniRTU 19 20 21 USB 22 23 24 10 11 12

Highlights

- Built-in GSM/GPRS Quadband modem N.4 Digital Inputs
- N.2 Relay Digital Outputs
- Nr 2 Analog Inputs
- Nr 4 counters/totalizers @32 bit
- 1 RJ45 Ethernet 10/100 baseTX port, TCP-IP communication
- Alarm management (line voltage failure, thresholds, counters digital inputs)
- Built-in UPS
- Function blocks for automation and data transmission functions
- IC 61131-3 SoftPLC StratON
- Z-NET4 configuration platform
- Built-in Web Server
- ModBUS RTU protocol on 2 independent serial ports

Z-miniRTU is a smart solution din rail mounting based for telecontrol and remote management solutions, provided with quad band modem, 2 analog inputs, 4 digital inputs PNP/NPN with 32 bit totalizers/counters, and 2 relays output. Z-miniRTU supports Modbus TCP-IP over Ethernet 10/100 port and Modbus RTU over RS485, as well as custom serial protocols. A built in webserver completes the communication characteristics. Thanks to Straton Soft Logic IEC 61131 tool, Z-miniRTU is suitable also for plant automation.

Z-miniRTU supports many remote communication technologies through xDSL, GSM, GPRS, Ethernet and serial lines. It's also directly supported Modbus TCP-IP Client/Server, Modbus RTU Master/Slave e other custom protocols Z-miniRTU can be used for a wide range of telecontrol and automation applications like water plant control and utility networks monitoring (gas, transport, heat, energy). Z-miniRTU can be also used for inverter controls and energy saving applications.

Z-miniRTU works as gateway in order to acquire signals from the field and also to record data from measurement instrument (level, flow, temperature, pressure, kinematic parameters, electrochemical and electrical).







Z-miniRTU



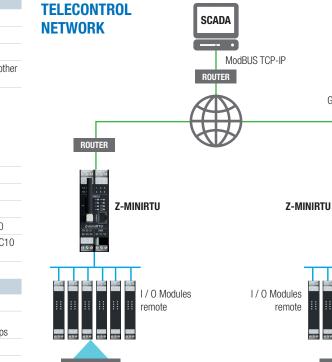
GSM/GPRS TELECONTROL UNIT WITH BUILT-IN IO AND STRATON SOFTPLC

TECNHICAL DATA GENERAL DATA Power Supply 11..40 Vdc; 19..28 Vac Consumption 6,5 W UPS Built-in, max standby time 2h 3.000 Vac (power supply/output); 1.500 (power supply/other Isolation circuits) LED Status Indicators Power Supply Serial Communication Ethernet SD card Input / Output status Modem status **Protection Degree** IP20 Operating temperature -10..+50°C Dimension (whxd) 100 x 111 x 35 mm Enclosure Nylon 6, 30% fiberglass filled, self extinguishing class V0

Connection	Removable terminals with section of 2.5 mm2 / Rear IDC10 connector				
Mounting	35 mm DIN rail (IEC EN 60715)				
COMMUNICATION					
Ethernet	Nr.1 Ethernet Port 10/100 Mbps (RJ45)				
Serial Ports	Nr.1 RS485 IDC10, max baud rate 115 kbps Nr.1 RS485/RS232 by terminals, max baud rate 115 kbps				
USB	Nr 1 MicroUSB on side connector				
Modem / Router	GSM/GPRS Quad-Band 850/900/1800/1900 MHz				
Industrial protocols	ModBUS TCP-IP (Client/Server), ModBUS RTU (Master/ Slave), custom protocols				
IT protocols	PPP, HTTP Post, FTP Client, SMTP Client, NTP Client				
INPUT DATA					
Channels / Type	N.4 Digital Input, PNP, NPN, max freq. 250 Hz; N.4 resettable counters / totalizers @32 bit N.2 Analog Input 0-20 mA, 0-30 Vdc, 16 bit resolution, 0,1% accuracy				
OUTPUT DATA					
Channels / Type	Nr 2 Relay Output, SPDT, max 2A 250 Vac				
PROCESSOR / MEMORY	1				
Processor	ARM 32 bit @ 120 MHz				
0.S.	Real-Time multitasking				
FeRAM (retentive variables)	Max 4 kB				
Prorgam memory	Max 248 kB				
Variable memory	Max 38 kB				
Slot Micro SD	SD Card fino a 32 GB				
SETTINGS					
Software environment	Z-NET4 / Straton				
Web Editor	Built-in				
Datalogger	Built-in				
PLC progamming	IEC 61131-3 (Straton) with custom libraries				
STANDARD					
Approvals	CE				
Norms	EN 61000-6-4, EN 61000-6-2, EN 61010, EN 301511, EN 301489-1 EN 301489-7 EN 60950				

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301489-1	, EN (30148	9-7,	ΕN	60950	

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Code

Z-MINIRTU

SOFTWARE

STRATON-SP

STRATON-WB

ACCESSORIES MSD

Z-PC-DIN1-35

Z-SUPPLY

CABLES CE-RJ45-RJ45-C

CE-RJ45-RJ45-R

CS-DB9F-CLAMP

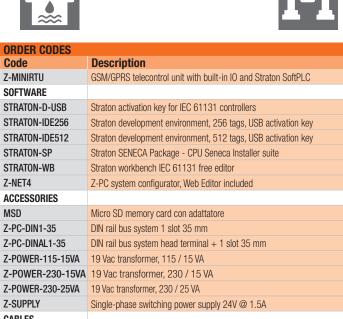
CS-DB9F-TIP-V

CS-DB9M-TIP-V

CU-A-MICROB

Z-NET4

APPLICATIONS



Crossover Ethernet cable (RJ45-RJ45)

USB-A Micro USB-B 5 P plug cable

Straight-thru Ethernet cable (RJ45-RJ45)

RS485 connection cable (DB9F-Clamps)

RS485 serial connection cable (DB9F - tips)

RS485 serial connection cable (DB9M - tips)

GSM/GPRS

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