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UCM-316



- 4 Discrete Inputs;

- Internal battery ensure at least 1 hour operation, after power fail;

First interface			
RS485	distance up to 1,2km, max 32 transivers, speed up to 19.2 Kbits/s		
RS232	distance up to 15m, speed up to 19,2Kbit/s		
Second interface			
RS232	distance up to 15m, speed up to 19,2Kbit/s		
Third interface			
MBus	up to 8 devices		
Fourth interface			
Ethernet	twisted pair, 10/100 Mbps, distance up to 100m		
Fifth interface			
GSM/GPRS	4 band 850/900/1800/1900 MHz		
UMTS/HSPA+	2 band, depending on market 850/1900MHz, 900/2100MHz arba 800(850)/2100MHz		
Discrete IN	4	sink contact	
Discrete OUT	2	relay 3A	
Analogi IN	6	resistance, voltage or current, reading 10 times per second	
Analog OUT	2	voltage 0-10V, load up to 5mA	
Protocols			
	Modbus RTU Modbus TCP/IP IP ICMP UDP TCP DHCP PPP ARP SNTP IEC60870-5-104:2000		

	DynDNS FTP server FTP client		
	DNS client		
General			
Power	9-36 VDC		
Internal battery	3,7V 750 mAh		
Regulatory approvals			
Safety	EN 60950-1:2006 EN 60950-1:2006/A1:2010 EN60950-1:2006/A11:2009		
Specification			
СРИ	CORTEX M4		
SD card support	micro SD card up to 8GB		
Memory	archive storage 1-8 MB, independant data storage without power about 5 years		
LED indication			
Power	+		
Charging of internal battery	+		
Status of discrete input, for each port	+		
Serial ports read/write for each port	+		
GSM/GPRS modem status	+		
Ethernet status	+		
Programing and updating			
Remote	2G, Ethernet (RJ45)		
Locally	USB, RS232, RS485		
Physical characteristics			
Dimmensions	147x128x50 mm		
Weight	400 g		
Mounting type	on DIN32 rail		
Safety class	IP20		
Climate conditions			
Operating temperature	-25+60 °C		
Storage temperature	-40+60 °C		
Humidity range	5-95%, non-condensing		
Other fuetures			
Real time clock	+		
24 months warranty period	+		
MAX number of interfaces (for filter)			
Number of supported interfaces	1		
RS485	+	distance up to 1,2km, max 32 transivers, speed up to 19.2 Kbits/s	
RS232	+	distance up to 15m, speed up to 19,2Kbit/s	
Ethernet	+	twisted pair, 10/100 Mbps, distance up to 100m	
USB (device)	+	Type B, ver. 2,0	
GSM/GPRS	+	4 band 850/900/1800/1900 MHz	
UMTS/HSPA+	+	2 band depending on market 850/1900MHz, 900/2100MHz or 800(850)/2100MHz	

OVERVIEW

Module UCM-316 is created for measuring of analog (voltage, current, resistance) parameters, for tracking the status of discrete inputs, formation of analog and discrete output signals, archiving and sending data to local operator over RS232/RS485 and/or USB and to remote operator over GSM/GPRS/EDGE or UMTS/HSPA+ and Ethernet.

DEFAULT FEATURES

- 6 analog and 4 discrete inputs, 2 voltage and 2 relay outputs;
- Data sending over 2G/3G and/or Ethernet using Modbus TCP/IP protocol;
- Data log (up to 8MB flash) with real time stamp;
- Alarm limits tracing of analog and discrete inputs, logging in event archive, warning about alarms over GPRS, UMTS/HSPA+, Ethernet and by sending SMS for one or few users;
- Internal battery ensure at least 1 hour operation, after power fail;
- Alarms status of analog and discrete channels fixing;
- Data from local device reading over RS232/RS485 interfaces;
- Supported wide range of power supplier (from 9 to 36V) and wide range of operating temperatures (from -25 oC to +60 oC);
- Firmware updating and configuration over any of installed interfaces.

CUSTOMIZING DEVICE

The exceptional feature of this device - a flexible hardware and software configuration, it depends on customer needs. You can choose the desired interfaces and functionality.

Manufacturers code:

