

# GATEWAY SERIES

# GRC3200R

SERIAL DEVICE SERVER



**SERIAL DEVICE SERVER**

**PLC**

**I/O SMS FUNCTIONS**

GRC3200R is a serial device server with PLC and SMS functions implemented. While any connection is active, all input output SMS and PLC functions can be used simultaneously.

**GRC3200R IS TRANSPARENT DEVICE SERVER FOR PRODUCTS THAT HAS SERIAL INTERFACE FOR COMMUNICATION. REMOTE READING AND MONITORING APPLICATIONS CAN BE IMPLEMENTED OVER GSM DATA SERVICE WITH I/O SMS AND PLC FUNCTIONS.**

GRC3200R used in M2M, monitoring applications as serial device server with digital inputs, outputs and analog inputs implementing PLC functions. I/O can be monitored and controlled via SMS.

**TRANSPARENT**

**RS232/485**

**2G/LTE**

**10 BITS RESOLUTION**

**TWO TCP CONNECTION**

**EXPENDABLE I/O**

**I/O EXTENSION**

**SERIAL FW UPDATE**

## FEATURES

### INPUT OUTPUT

- DIGITAL INPUTS (x4) OPTICALLY ISOLATED
- DIGITAL OUTPUTS (x4) DRY CONTACT(400mA)
- 0-20mA INPUT (x1)
- 0-10V INPUT (x1)
- 16 BIT COUNTERS FOR DIGITAL INPUTS

### SERIAL PORT

- RS232
- RS485 (HALF DUPLEX) TR INCLUDED

### GSM FUNCTIONS

- 2G [GRC3200R-X0]
- LTE/2G [GRC3200R-X2]
- GRC3200R-X0 :900/1800Mhz
- GRC3200R-X2 :2G : 900/1800/850/1900MHz  
LTE : 1,2,3,4,5,7,8,12,20,28,38,40,41

### SERIAL SPEED

- 300 bps - 115200 bps

### PLC FUNCTIONS

- AND,OR,XOR,XNOR,NAND,NOR
- TIMER,COMPARE,SCALE
- SETREGISER

### MODBUS RTU

- READ HOLDING REGISTERS(FC:3)
- PRESET MULTIPLE REGISTERS(FC:16)
- MOSBUS PACKET SIZE 256 BYTES

### SUPPLY VOLTAGE

- 6,5 - 28V DC

### OPERATING TEMP.

- -40 - +85 °C

### OPTIONS

- GRC3200R-XY X:0/1/N (0= NO PLC , 1=PLC, N=NO I/O) Y:0/2 (0= 2G only , 2= LTE/2G)

## KEY BENEFITS

- 10 bits resolution for analog measurement.
- I/O monitoring,programming and communication features are implemented in one device so that the overall cost of application will be reduced.
- I/O polling is based on industrial MODBUS RTU/TCP protocol for real- time based applications.
- I/O Extension mode is used for transparent I/O exchange between two devices.
- Additional I/O may be implemented via AFM1100 with SMS functions for up to 16 digital I/O.
- Built-in transparent communication software for GSM data service connection without GSM knowledge.
- Automatic connection monitoring with reconnection and restore functions.
- Firmware can be updated via serial port.
- Standard FBD based PLC function implementation.