

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 COUNTERTS FOR DIGITAL INPUTS

SERIAL PORT

- RS232
- RS485 (HALF DUPLEX) TR INCLUDED

GSM FUNCTIONS

- 2G [GRC3200R-X0]
- LTE [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
- SETREGISTER

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 , 2= LTE)

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.