Modbus Data Center

**RC52**

- Smart Phone, Tablet, PC. Real Time Monitoring
- Automatic Synchronous Database Server
- Interface RS232, RS485/422
- Online Monitoring
- Easy Setting by Embedded Web Console
- Keep Data as Tag (Max. 128 tags Option)
- Support Modbus RTU, ASCII, TCP
- Data backup more than 1 Week

**Modbus Data Center RC52** is a device for collecting data from Field Devices such as PLC, Power Meter, Flow Meter, Analog Module, RTU etc. Device is communicated with MODBUS RTU/ASCII/TCP protocol, compatible with (Serial Port) RS-232, RS-485 and RS-422. All of collecting data will be saving as “data tag” which is similar to SCADA then data will be sent to database server. Can view data simultaneously via Smart Phone, Tablet, PC.
Specifications

**Ethernet Interface**

*Speed:* 10/100 Mbps, Full-duplex or Half-duplex, Auto MDI/MDIX

*Connector:* RJ45

*Standard:* 10 Base-T/100 Base-T Standard

*Transmission:* 100 m.

*Protocols:* MODBUS TCP (Max. 4 Connection), TCP/IP, UDP, DHCP, HTTP

*Configuration:* Web Console

**Serial Interface**

*Serial Standards:* RS232 through D-Type 9 pin connector

*Loading:* RS485/422 (Isolated) 5 Pin Terminal Block

*Distance:* RS232 length 15 m.

*RS485/422 length 1 Km.

*Protocol:* Modbus RTU, ASCII

**Serial Parameter**

*Baud Rate:* 4800, 9600, 19200, 38400, 57600, 115200

*Data Bits:* 7, 8

*Stop Bit:* 1, 2

*Parity:* None, Odd, Even

**System Requirement**

*Web Server:* Apache, IIS

*Script:* PHP

*Database:* MySQL, SQL Server

**Ordering Information**

Specify Data Capacity

Example: RC52/80 Tags

**Package Checklist**

1. RC52
2. LAN Cable
4. CD Software

**Record**

*Storage Interface:* 256 Mbytes

*Data Capacity:*

- @ 1 Tag = 22,369,621 Records
- @ 80 Tags = 818,400 Records
- Sampling 1 min. = 568 days
- Sampling 10 sec = 94 days
- @ 128 Tags = 516,222 Records (Optional)
- Sampling 1 min = 358 Day
- Sampling 10 sec = 59 Day

**Power Requirements**

*Power Supply:* 12 to 24 VDC

*Power Consumption*

*Standby:* 120 mA @ 12 VDC (1.5 W)

**Environmental Limits**

*Operating Temperature:* 0 to 55 °C

*Operating Humidity:* 5 to 95% RH

*Storage Temperature:* 0 to 70 °C

**Physical Characteristics**

*Dimension:* W30 x H122 x D98 mm.

*Mounting:* DIN Rail

**Warranty**

*Warranty Period:* 5 year