


Control Module Features

Ver 1.0

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Control Module Features

- RS232/RS485 converter
- Multi-To-Multi host GPIO/RS485
- Digital I/O 8 channel, DI/DO can be setup
- Connection : TCP Server/Client
- Setting : Web (IE & Netscape)
- Security : password control
- Connector : RS-232/485*1-Port
- Embedded RS485 terminate resister

- speed : 300bps ~ 230.4kbps
- Parity : None, Odd, Even
- Data Bit : 7, 8
- Stop Bit : 1 , 2

* Flow control, RTS/CTS, DTR/DSR, XON/XOFF

- Internal Watch Dog
- Provide SDK, VB/VC sample code
- remote control: ssh, web
- Modbus TCP and RTU/ASCII converter
- Web-Based Open Source SCADA

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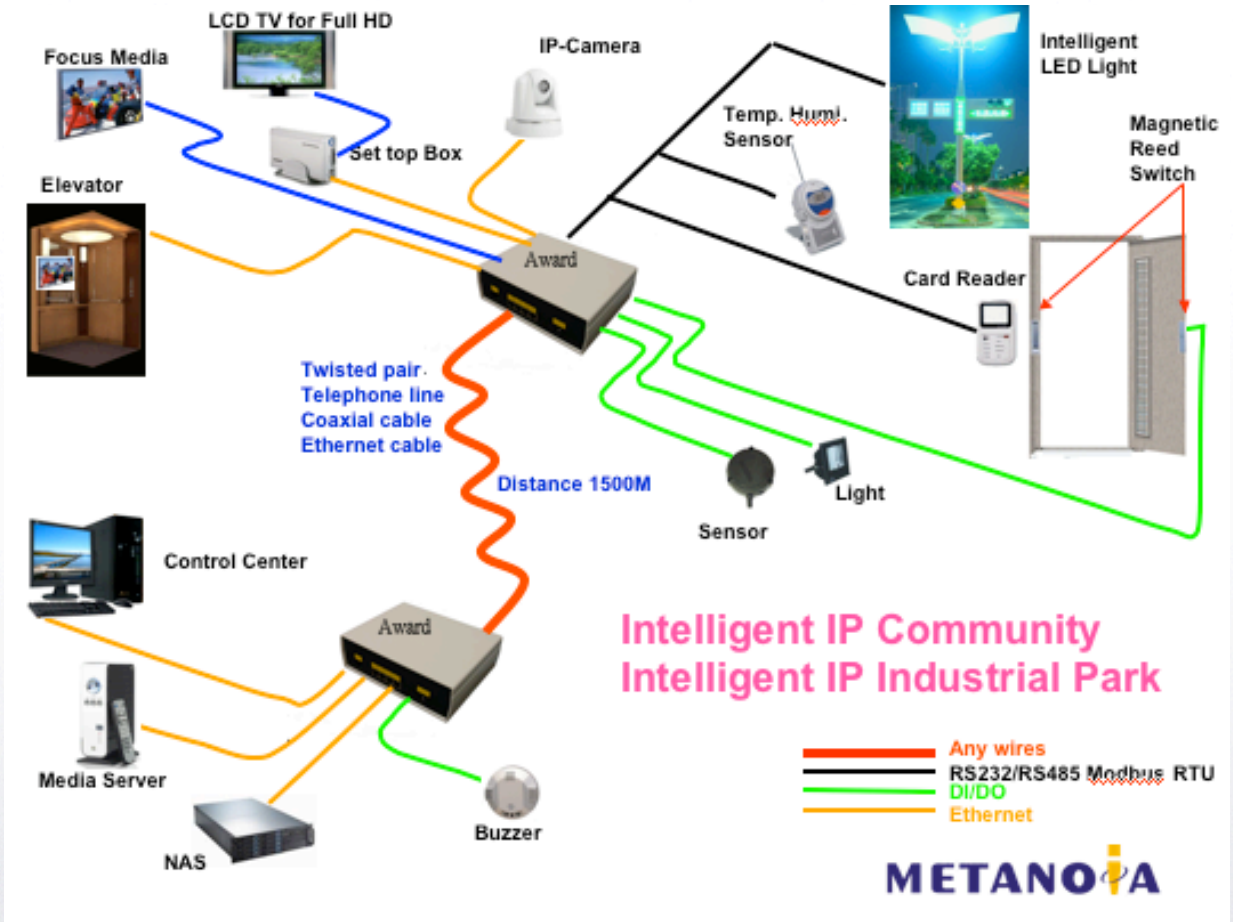
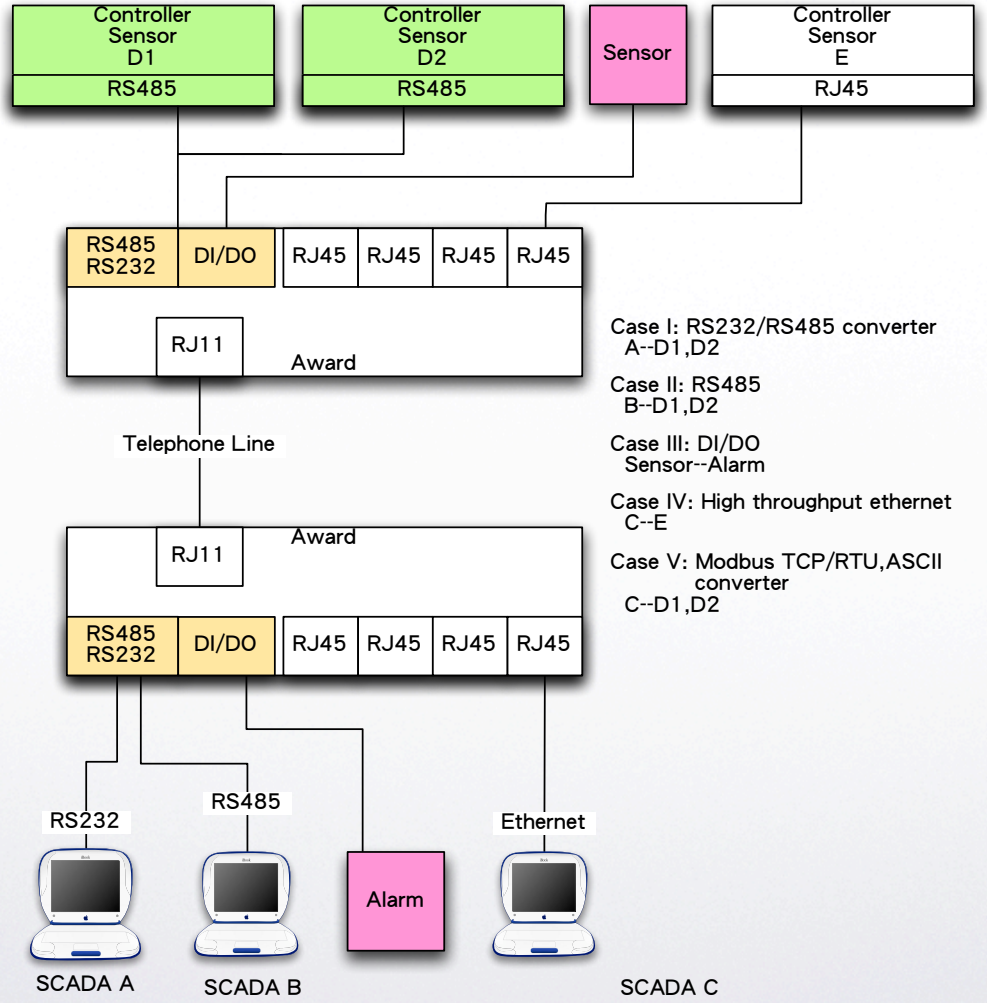
RS485 Module Application



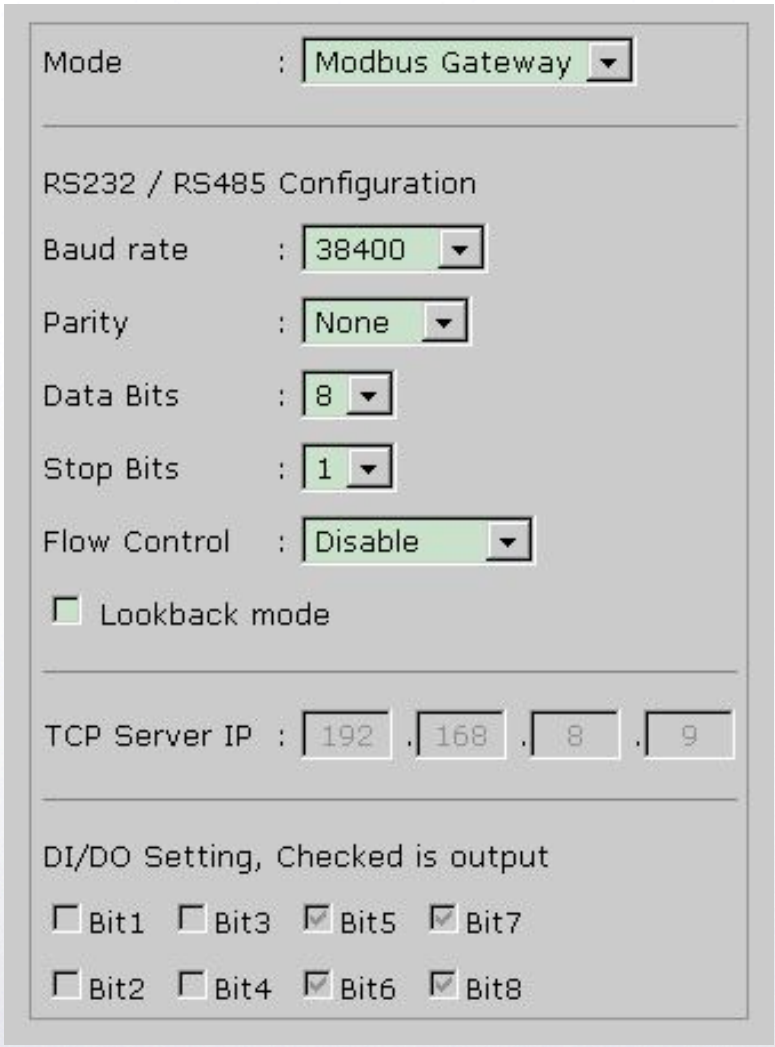
RS485 Module deploy



Hardware setting

G7	G6	G5	G4	G3	G2	G1	G0	+	-	Vcc	Gnd	RS232

Web configuration



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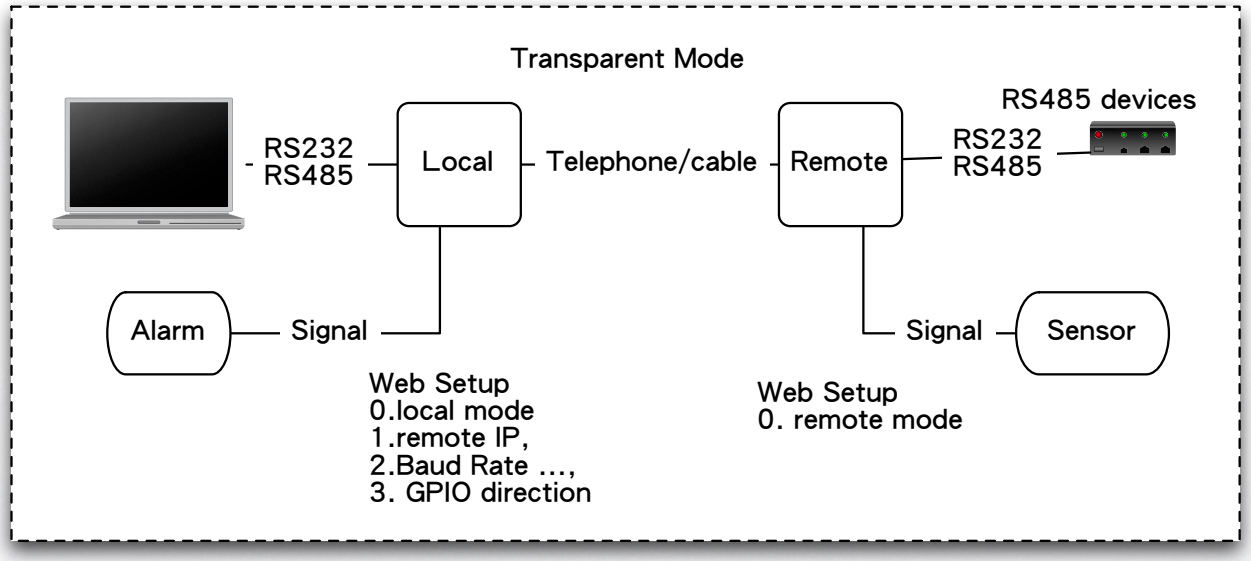
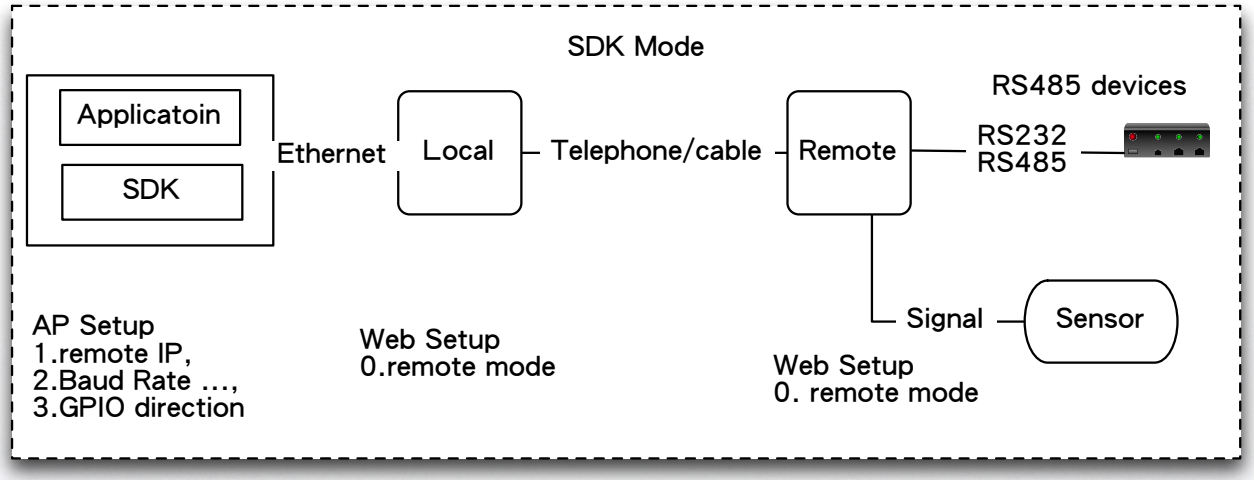
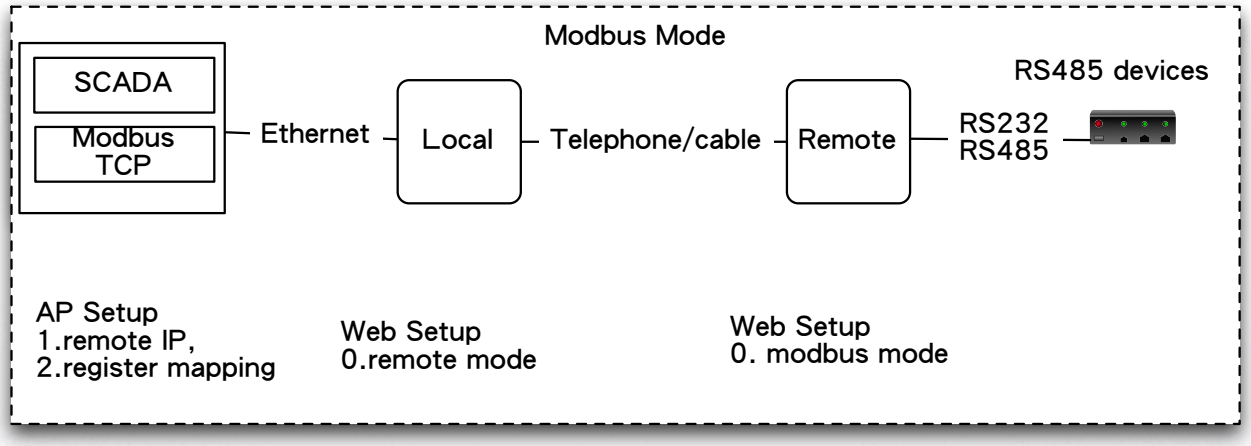
Transparent mode



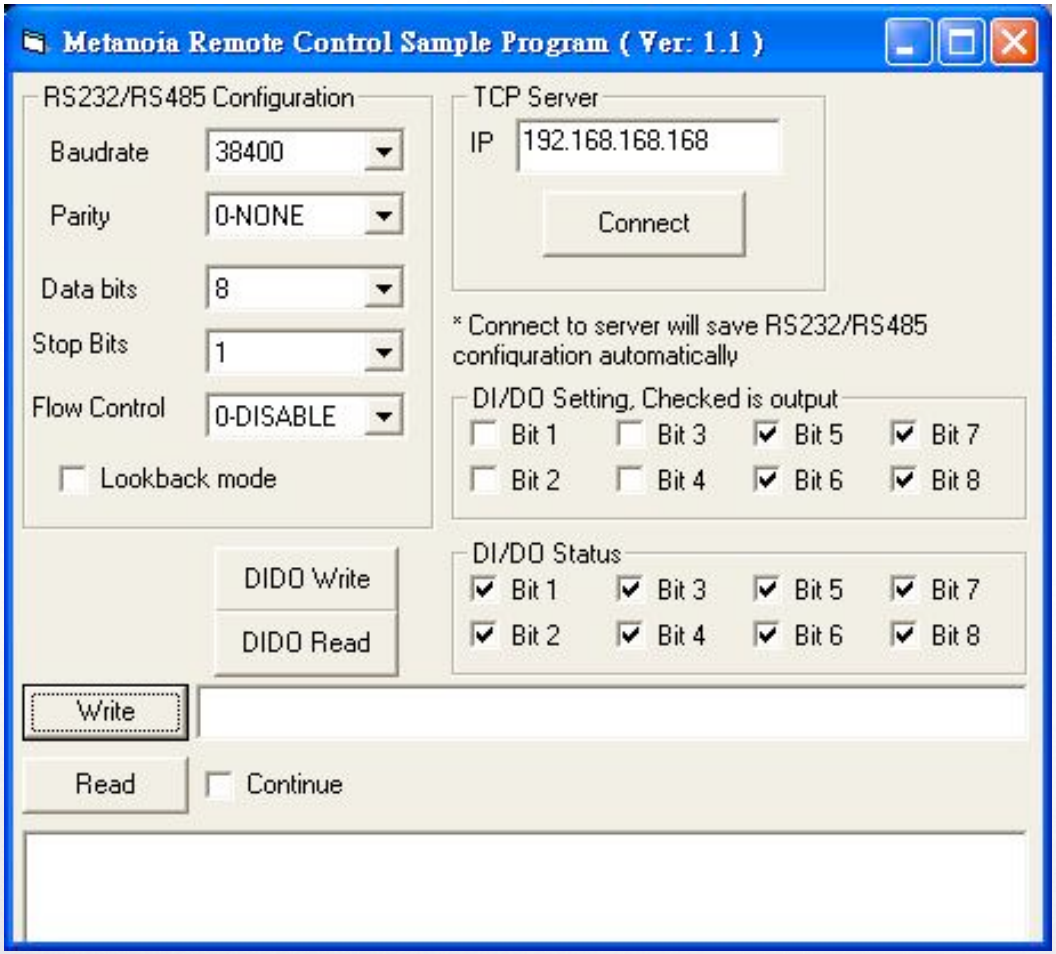
SDK mode


SDK Mode
Applicatoin
SDK
Ethernet
Local
Telephone/cable
Remote
RS485 devices
RS232
RS485
Signal
Sensor
AP Setup
1.remote IP,
2.Baud Rate ...,
3.GPIO direction
Web Setup
0.remote mode
Web Setup
0. remote mode

Modbus gateway mode



VB/VC Sample code




```
$ ./RCSDK
===Remote device testing tool===

1.Connect
2.Disconnect
3.Config device
4.Read data from receive buffer
5.Write data to remote device
6.Read GPIO value from GPIO buffer
7.Write GPIO value to remote device
8.Exit

> _
```

- int RCOpen(char *server_ip)
- int RCClose(void)
- int RCConf(int config_id, char *buffer, int length)
- int RCRead(char *buffer, int buf_len)
- int RCWrite(char *buffer, int buf_len)
- int RCGPIORead(int *gpio)
- int RCGPIOWrite(int gpio)