

## Remote Modules

### Daisy Chain Ethernet I/O Remote Modules

#### A-1960



1

#### OVERVIEW

- ※ Supports isolation protection to avoid system damage from high-energy noise
- ※ Auto-Bypass Protection
- ※ Flexible Deployment with Daisy Chain Networking
- ※ 5ch digital input
- ※ 4ch digital output(Power Relay)
- ※ Support MODBUS TCP/IP, MODBUS RTU
- ※ Auto-bypass function to ensure daisy-chain data transmission
- ※ Built-in web server
- ※ Watchdog timer to recover the system
- ※ Ethernet Interface + USB Interface
- ※ Supports 8 Independent Sockets Simultaneously
- ※ Remote Monitoring And Control With Mobile Devices
- ※ Flexible User-defined Modbus address
- ※ Support LAN 10/100 Mbps Communication Rate
- ※ Free Monitor PC Software "YottaUtility"



For more information, please refer to  
[www.yottacontrol.com](http://www.yottacontrol.com)

| Type                              | A-1960<br>DIO                                              |
|-----------------------------------|------------------------------------------------------------|
| Operation Voltage                 | 10~30VDC/24VAC                                             |
| Inputs                            | 5*Isolation DI<br>status low:<1VDC<br>status high:>5~30VDC |
| Outputs                           | 4*DO(Power Relay)                                          |
| Continuous Current                | 250VAC(5A)/30VDC(5A)                                       |
| Communication Baud Rate           | 10/100Mbps                                                 |
| Isolation                         | YES(5000VDC)                                               |
| Input Operating Frequency         | 10HZ                                                       |
| Output Operating Frequency        | 10HZ                                                       |
| Operation Temperature             | -20 to +75 °C                                              |
| Degree Of Protection              | IP20                                                       |
| Installation                      | 35 mm DIN rail or Flush mounting                           |
| Dimension (W x H x D mm)          | 76.4*118.2*38.5 mm                                         |
| Interface                         | Ethernet * 2 + USB                                         |
| Channel Independent Configuration | YES                                                        |

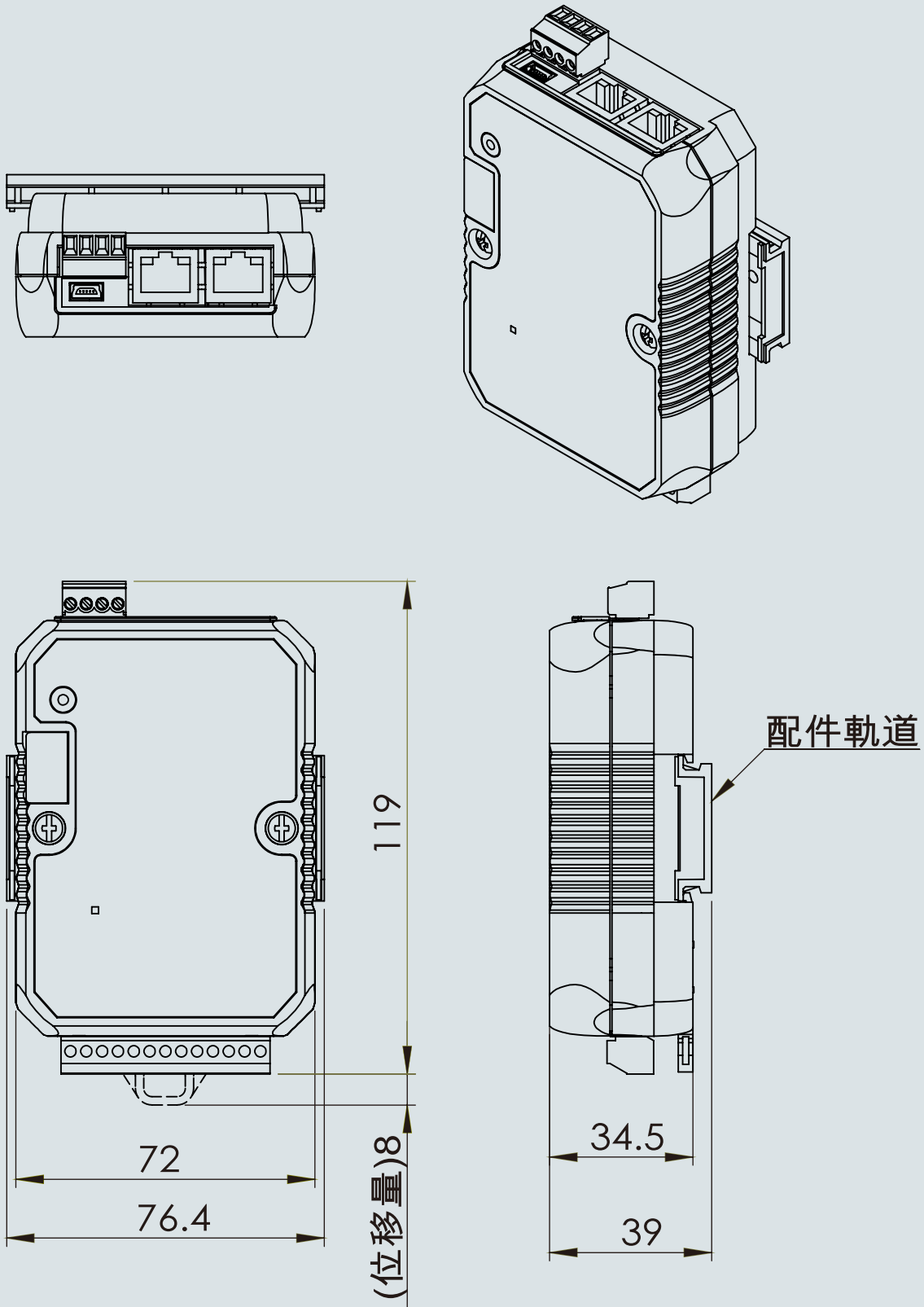
## Dimension

### Remote Modules

### Remote Modules

#### Dimension

2



For more information, please refer to  
[www.yottacontrol.com](http://www.yottacontrol.com)

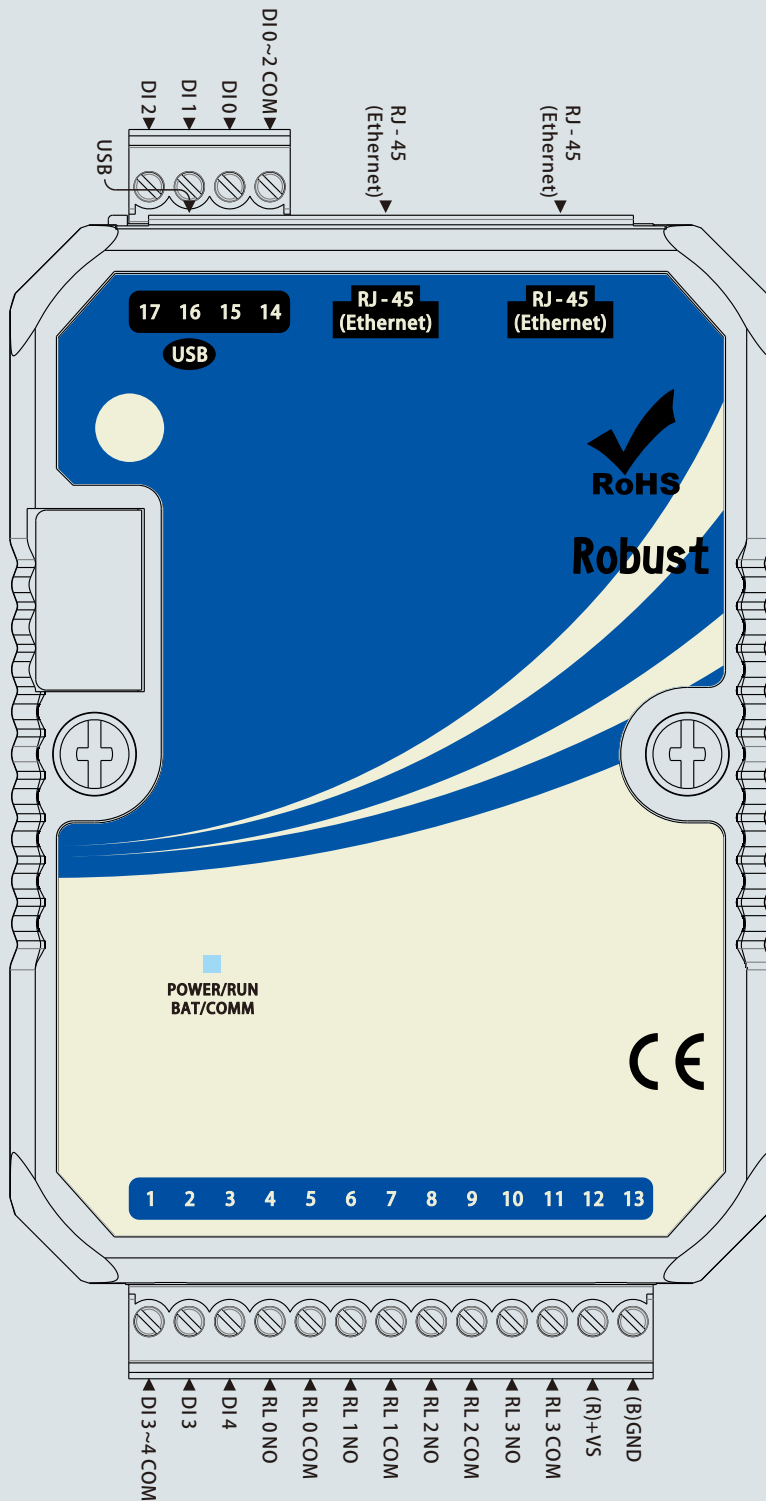
# Pin Assignments

## Remote Modules

## Remote Modules

3

### Pin Table



| Function |            |
|----------|------------|
| 1        | DI 3~4 COM |
| 2        | DI 3       |
| 3        | DI 4       |
| 4        | RL 0 NO    |
| 5        | RL 0 COM   |
| 6        | RL 1 NO    |
| 7        | RL 1 COM   |
| 8        | RL 2 NO    |
| 9        | RL 2 COM   |
| 10       | RL 3 NO    |
| 11       | RL 3 COM   |
| 12       | (R)+VS     |
| 13       | (B)GND     |
| 14       | DI 0~2 COM |
| 15       | DI 0       |
| 16       | DI 1       |
| 17       | DI 2       |

For more information, please refer to  
[www.yottacontrol.com](http://www.yottacontrol.com)

# Remote Modules

[illegible]

4/5

# Monitoring and Database Software

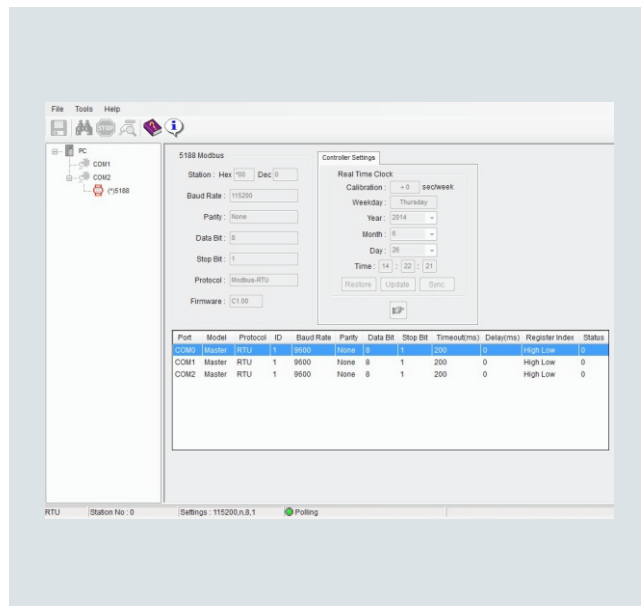
## DCS Monitoring and Database Software

### YottaUtility

5

#### OVERVIEW

- ※ Monitor & Database Function
- ※ Use For Yottacontrol Whole Series Controller And TS-48 Time Switch
- ※ Windows98/ME/2000/XP/Vista/7/8/10
- ※ Quick Setup Distributed Device Parameter & Monitoring
- ※ Can Monitor DCS Program & Parameters
- ※ Can Monitor PLC Program & Parameters
- ※ Monitor & Database Can Use For SCADA
- ※ Real-Time Monitoring, Warning Setup
- ※ Monitor Hundreds Controllers & Distributed Devices
- ※ Component Name Comment
- ※ Easy Logical Program Function
- ※ Time Switch Series Edit
- ※ Multi Communicate Parameter Function
- ※ Support MODBUS TCP-IP/UDP-IP/RTU/ASCII
- ※ Quick Setup Controller RTC Parameter



For more information, please refer to  
[www.yottacontrol.com](http://www.yottacontrol.com)

#### APPLICATIONS

##### ELECTRONIC EQUIPMENT

- SORTING MACHINE
- LOADER & UNLOADER
- PACKAGING MACHINE
- DETECTOR
- CUTTING MACHINE
- LAMINATOR
- COATING MACHINE
- LAPPING MACHINE
- FEEDING SYSTEM
- PRECISION MACHINERY

##### ELECTROMECHANICAL EQUIPMENT

- SPRAYING MACHINE
- EVAPORATION
- MACERATOR
- CALENDER MACHINE
- FLUSHING MACHINE
- ELECTROPLATING MACHINE
- WELDING MACHINE
- PRESS MACHINE
- CUTTING MACHINE
- BENDING MACHINE
- BOBBIN MACHINE
- BURN-IN EQUIPMENT
- DIE CASTER
- HEATING PROCESSING

##### FOOD & BEVERAGE

- PACKAGING MACHINE
- SEAL-CAPPING MACHINE
- LABELLING MACHINE
- FORMING MACHINE
- BLENDER EQUIPMENT
- CASING MACHINE
- FILLING MACHINE
- DRYER EQUIPMENT
- WEIGHT SEPARATOR
- CAPPING MACHINE
- INJECTION MACHINE
- TEMPERATURE-CONTROL