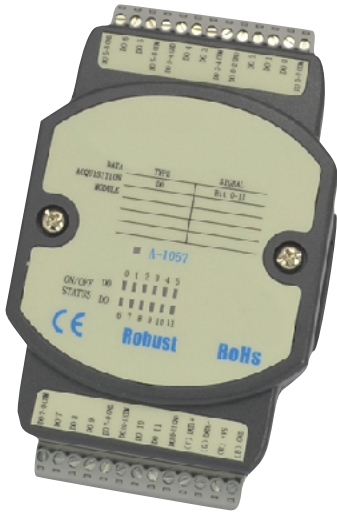
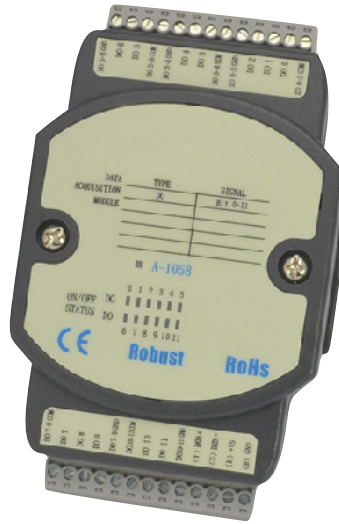


ATC Industrial RS485 I/O module

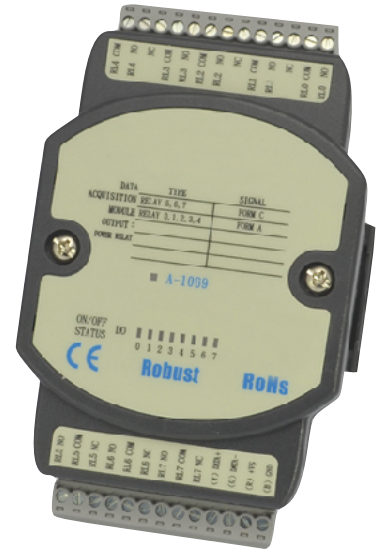




A-1057



A-1058



A-1069

A-10 Series RS-485 Remote IO Module

| Part No. | A-1057 | A-1058 | A-1069 |
|-----------------------------------|---------------------------------|---------------------|-----------------------|
| Operation Voltage | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC |
| Inputs | — | — | — |
| Outputs | 12, Source Transistor | 12, Sink Transistor | 8, Power Relay |
| Continuous Current | 10 ~ 35VDC(1A) | 10 ~ 40VDC (200mA) | 250VAC(5A)/ 30VDC(1A) |
| Communication Baud Rate | 1200 ~ 115200bps | | |
| Communication Interface | RS - 485 | | |
| Protocol | MODBUS RTU / MODBUS ASCII | | |
| Data Bits | 8 Bits | | |
| Parity | Odd Parity / Even Parity / None | | |
| Stop Bit | 1/2 Bit | | |
| Isolation | YES (5000VDC) | | |
| Input Operating Frequency | 10Hz | | |
| Output Operating Frequency | Relay: 10Hz / Transistor: 10Hz | | |
| Operation Temperature | -20 to +75° C | | |
| Degree Of Protection | IP20 | | |
| Installation | 35 mm DIN rail / Flush mounting | | |
| Dimension (W × H × D) | 76.4 × 118.2 × 38.5 mm | | |



A-1051



A-1055



A-1055S



A-1060

| Part No. | A-1051 | A-1055 | A-1055S | A-1060 |
|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Operation Voltage | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC |
| Inputs | 16 Low: <1VDC High: >5~30VDC | 8 Low: <1VDC High: >5~30VDC | 8 Low: <1VDC High: >5~30VDC | 8 Low: <1VDC High: >5~30VDC |
| Outputs | — | 8, Sink Transistor | 8, Source Transistor | 4, Power Relay |
| Continuous Current | — | 10 ~ 40VDC (200mA) | 10 ~ 35VDC(1A) | 250VAC(5A)/ 30VDC(1A) |
| Communication Baud Rate | 1200 ~ 115200bps | | | |
| Communication Interface | RS - 485 | | | |
| Protocol | MODBUS RTU / MODBUS ASCII | | | |
| Data Bits | 8 Bits | | | |
| Parity | Odd Parity / Even Parity / None | | | |
| Stop Bit | 1/2 Bit | | | |
| Isolation | YES (5000VDC) | | | |
| Input Operating Frequency | 10Hz | | | |
| Output Operating Frequency | Relay: 10Hz / Transistor: 10Hz | | | |
| Operation Temperature | -20 to +75° C | | | |
| Degree Of Protection | IP20 | | | |
| Installation | 35 mm DIN rail / Flush mounting | | | |
| Dimension (W×H×D) | 76.4×118.2×38.5 mm | | | |



A-1019



A-1012



A-1010

| Part No. | A-1019 | A-1012 | A-1010 |
|-----------------------------------|--|--|--------------------|
| Operation Voltage | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC | 10 ~ 30VDC/24VAC |
| Inputs | 4 Low: <1VDC High: >5~30VDC | 2 Low: <1VDC High: >5~30VDC | — |
| Outputs | — | 2, Source Transistor | 4, Sink Transistor |
| Continuous Current | — | 10 ~ 35VDC(1A) | 10 ~ 40VDC(200mA) |
| Communication Baud Rate | 2400 ~ 921600bps | | |
| Communication Interface | RS485+USB | | RS-485 |
| Protocol | MODBUS RTU / MODBUS ASCII | | |
| Data Bits | 8 Bits | | |
| Parity | Odd Parity / Even Parity / None | | |
| Stop Bit | 1/2 Bit | | |
| Isolation | YES (5000VDC) | | |
| Input Operating Frequency | 10Hz | | |
| Output Operating Frequency | Transistor: 10Hz | | |
| Analog Inputs | 8 (16 bit) | 4 (16 bit) | 8 (10 bit) |
| Analog Input Type | 0/4~20mA, J, K, T, E, R, S, B, Thermistor(-270 ~ +1800° C) | 2*0/4-20mA + 2*PT100/1000(-200 ~ +600° C) | 0 ~ 10V |
| Analog Outputs | — | 2 (12 bit) | 2 (10 bit) |
| Analog Output Type | — | 0/4-20mA | 0 ~ 10V |
| Input Impedance | Current: 100Ω / Voltage: 10MΩ | Current: 100Ω / RTD: 10MΩ | Voltage: 10MΩ |
| Analog Input / Output Accuracy | ±0.1% / — | ±0.1% / ±1% | ±1% / ±1% |
| Channel Independent Configuration | Yes | | |
| Sampling Rate | 10 sample/second (Total) | | |
| CMR @ 50/60 Hz | 120 dB | | |
| Span Drift | ±50 ppm/° C | | |
| Zero Drift | ±18 μV/° C | | |
| Temperature Ranges | (PT-100:-200~+600° C) (PT-1000:-200~+600° C) (J:-210~760° C) (K:-270~1,370° C) (T:-270~400° C) (E:-270~1,000° C) (R:0~1,750° C) (S:0~1,750° C) (B:0~1,800° C) (Thermistor-10K-T2:0~100° C) (Thermistor-10K-T3:0~100° C) (Thermistor-6.8K:-10~100° C) (Thermistor-4.7K:-10~100° C) (Thermistor-3.3K:-20~100° C) (Thermistor-3K:-20~100° C) (Thermistor-2.7K:-20~100° C) (Thermistor-2.25K:-20~100° C) (Thermistor-2.1K:-30~100° C) (Thermistor-2K:-30~100° C) (Thermistor-1.5K:-40~100° C) (Thermistor-1K:-40~100° C) | | |
| Operation Temperature | -20 to +75° C | | |
| Degree Of Protection | IP20 | | |
| Installation | 35 mm DIN rail / Flush mounting | | |
| Dimension (W×H×D) | 76.4×118.2×38.5 mm | | |