

ATC Industrial Ethernet I/O module





A-1812



A-1851



A-1855/S



A-1869



A-1860

A-18 series Ethernet remote I/O module

Part No.	A-1819	A-1812
Operation Voltage	10 ~ 30VDC/24VAC	
Inputs	—	2 Low: <1VDC High: >5~30VDC
Outputs	—	—
Continuous Current	—	—
Communication Baud Rate	10/100Mbps	
Protocol	MODBUS TCP/IP, MODBUS RTU	
Isolation	YES (5000VDC)	
Input Operating Frequency	10Hz	
Output Operating Frequency	Transistor: 10Hz	
Analog Inputs	8 (16 bit)	4 (16 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)
Analog Outputs	—	2 (12 bit)
Analog Output Type	—	0/4-20mA
Input Impedance	Current: 100Ω Voltage: 10MΩ	Current: 100Ω RTD: 10MΩ
Analog Input/Output Accuracy	±0.1% / —	±0.1% / ±1%
Communication Interface	Ethernet + USB	
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-2.252K:-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	

A-18 series Ethernet remote I/O module-1

Part No.	A-1851	A-1855/S
Operation Voltage	10 ~ 30VDC/24VAC	
Inputs	16 Low : <1VDC High : >5~30VDC	8 Low : <1VDC High : >5~30VDC
Outputs	—	4, Motor Driver/Source
Continuous Current	—	8 ~ 60VDC(1.75A)
Communication Baud Rate	10/100Mbps	
Protocol	MODBUS TCP/IP, MODBUS RTU	
Isolation	YES (5000VDC)	
Input Operating Frequency	10Hz	
Output Operating Frequency	Transistor : 10Hz	
Analog Inputs	—	
Analog Input Type	—	
Analog Outputs	—	
Analog Output Type	—	
Input Impedance	—	
Analog Input/Output Accuracy	—	
Communication Interface	Ethernet + USB	
Channel Independent Configuration	Yes	
Sampling Rate	10 sample/second (Total)	
CMR @ 50/60 Hz	120 dB	
Span Drift	± 50 ppm/ $^{\circ}$ C	
Zero Drift	± 18 μ V/ $^{\circ}$ C	
Temperature Ranges	(PT-100:-200~+600 $^{\circ}$ C) (PT-1000:-200~+600 $^{\circ}$ C) (J:-210~760 $^{\circ}$ C) (K:-270~1,370 $^{\circ}$ C) (T:-270~400 $^{\circ}$ C) (E:-270~1,000 $^{\circ}$ C) (R:0~1,750 $^{\circ}$ C) (S: 0~1,750 $^{\circ}$ C) (B:0~1,800 $^{\circ}$ C) (Thermistor-10K-T2:0~100 $^{\circ}$ C) (Thermistor-10K- T3:0~100 $^{\circ}$ C) (Thermistor-6.8K:-10~100 $^{\circ}$ C) (Thermistor-4.7K:-10~100 $^{\circ}$ C) (Thermistor-3.3K:-20~100 $^{\circ}$ C) (Thermistor-3K:-20~100 $^{\circ}$ C) (Thermistor-2.7K:-20~100 $^{\circ}$ C) (Thermistor-2.252K:-20~100 $^{\circ}$ C) (Thermistor-2.1K:-30~100 $^{\circ}$ C) (Thermistor-2K:-30~100 $^{\circ}$ C) (Thermistor-1.5K:-40~100 $^{\circ}$ C) (Thermistor-1K:-40~100 $^{\circ}$ C)	
Operation Temperature	-20 to +75 $^{\circ}$ C	
Degree Of Protection	IP20	
Installation	35 mm DIN rail / Flush mounting	
Dimension (W×H×D)	76.4*118.2*38.5 mm	

A-18 series Ethernet remote I/O module-2

Part No.	A-1860	A-1869
Operation Voltage	10 ~ 30VDC/24VAC	
Inputs	8 Low : <1VDC High : >5~30VDC	—
Outputs	4, Power Relay	8, Power Relay
Continuous Current	250VAC(7A)/30VDC(7A)	250VAC(7A)/30VDC(7A)
Communication Baud Rate	10/100Mbps	
Protocol	MODBUS TCP/IP, MODBUS RTU	
Isolation	YES (5000VDC)	
Input Operating Frequency	10Hz	
Output Operating Frequency	Transistor : 10Hz	
Analog Inputs	—	
Analog Input Type	—	
Analog Outputs	—	
Analog Output Type	—	
Input Impedance	—	
Analog Input/Output Accuracy	—	
Communication Interface	Ethernet + USB	
Channel Independent Configuration	Yes	
Sampling Rate	10 sample/second (Total)	
CMR @ 50/60 Hz	120 dB	
Span Drift	± 50 ppm/° C	
Zero Drift	± 18 μ V/° 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-2.252K:-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	