

Remote Modules

ETHERNET Analog I/O Remote Modules

A-18x Series



OVERVIEW

- ※ Analog Input 16-bit Resolution
- ※ Analog Output 12-bit Resolution
- ※ Support Analog Input/Output 0/4 ~20mA or 0~10V
- ※ Support PT-100 Or PT-1000 (2/3/4-wired)
- ※ Support J, K, T, E, R, S, B Thermocouple
- ※ Support 10K/6.8K/4.7K/3.3K/3K/2.7K/2.252K/2.1K/2K/1.5K/1K Thermistor
- ※ Burn-out Detection
- ※ Ethernet Interface + USB Interface
- ※ Supports 8 Independent Sockets Simultaneously
- ※ Remote Monitoring And Control With Mobile Devices
- ※ Built-in Step Motor Driver, Connect Directly
- ※ Output Over Current Protection (OCP)
- ※ Output Over Thermal Protection (OTP)
- ※ Output Under Voltage Lockout (UVL0)
- ※ Support MODBUS TCP/IP, MODBUS RTU
- ※ 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

Type	A-1851	A-1812	A-1819	A-1855/A-1855S	A-1860	A-1869
	DI	AIO	AIO	DIO	DIO	DIO
Operation Voltage	10~30VDC/24VAC	10~30VDC/24VAC	10~30VDC/24VAC	10~30VDC/24VAC	10~30VDC/24VAC	10~30VDC/24VAC
Inputs	16*Isolation DI status low:<1VDC status high:>5~30VDC	2*Isolation DI status low:<1VDC status high:>5~30VDC	---	8*Isolation DI status low:<1VDC status high:>5~30VDC	8*Isolation DI status low:<1VDC status high:>5~30VDC	---
Outputs	---	---	---	4*(Motor Driver/Source)	4*(Power Relay)	8*(Power Relay)
Continuous Current	---	---	---	8-60VDC(1.75A) /10-40VDC(1A)	250VAC(7A)/30VDC(7A)	250VAC(7A)/30VDC(7A)
Communication Baud Rate	10/100Mbps					
Isolation	YES(5000VDC)					
Input Operating Frequency	10HZ					
Output Operating Frequency	Transistor: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					
Analog Inputs	---	4 (16-bit)	8 (16-bit)	---	---	---
Analog Input Type	---	2* 0/4~20mA 2* PT-100/1000 (-200 ~ +600°C)	0/4~20mA, J, K, T, E, R, , S, B, Thermistor (-270 ~ +1800°C)	---	---	---
Analog Outputs	---	2 (12-bit)	---	---	---	---
Analog Output Type	---	0/4 ~20mA	---	---	---	---
Input Impedance	---	Current: 100 Ω RTD : 10 MΩ	Current: 100 Ω Voltage : 10 MΩ	---	---	---
Analog Input /Output Accuracy	---	±0.1% / ±1%	±0.1% / ---	---	---	---
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:-270~1370°C) (T:-270~400°C) (E:-270~1000°C) (R:0~1750°C) (S:0~1750°C) (B:0~1800°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)					