

Ethernet High Speed Data Acquisition Module with PoE (AI+DI+DO)



Model	Analog Input				Digital Input		Digital Output	
	Channels	Resolution	Range	Sampling Rate	Channels	Type	Channels	Type
PET-7H16M	8 Single-ended (Simultaneously)	16-bit	Bipolar Input (Programmable): $\pm 10\text{ V}$, $\pm 5\text{ V}$	200 kS/s (Each channel)	4	Wet (Sink/Source)	4	Wet (Sink)

Ethernet High Speed Data Acquisition Module with PoE

Model	Analog Input				Analog Output			Digital Input		Digital Output		Encoder Input	
	Channels	Resolution	Voltage Input	Sampling Rate	Channels	Resolution	Voltage Output	Channels	Type	Channels	Type	Channels	Type
PET-7H24M	4 differential (Simultaneously)	24-bit	10 V, $\pm 5\text{ V}$, $\pm 2.5\text{ V}$, $\pm 1.25\text{ V}$, $\pm 0.625\text{ V}$, $\pm 300\text{ mV}$, $\pm 150\text{ mV}$, $\pm 75\text{ mV}$, $\pm 40\text{ mV}$, $\pm 20\text{ mV}$	128 kS/s (Per channel)	2	12-bit	$\pm 10\text{ V}$, $\pm 5\text{ V}$, $0\sim 5\text{ V}$, $0\sim 10\text{ V}$	3	Wet (Sink/Source)	4	Wet (Sink)	1	Quadrant CW/CCW Pulse/Dir

Ethernet I/O Module



Analog Sensor Input Module

Model	AI			DO		
	Channel	Voltage & Current Input	Sensor Input	Channel	Type	Sink/Source
ET-7005	–	–	Thermistor	4	Open Collector	Sink
PET-7005	–	–	Thermistor	4	Open Collector	Sink
ET-7015	ET-7215	–	RTD:	–	–	–
PET-7015	–	–	Pt100, Pt1000, Ni120, Cu100, Cu1000	–	–	–
ET-7018Z/S	ET-7218Z/S	±15 mV, ±50 mV, ±100 mV, ±500 mV, ±1 V, ±2.5 V ±20 mA, 0~20 mA, 4~20 mA	Thermocouple: J, K, T, E, R, S, B, N, C, L, M, LDIN43710	6/3 (Note 2)	Open Collector	Sink
PET-7018Z/S	PET-7218Z/S			6/3 (Note 2)	Open Collector	Sink

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Analog Sensor Input Module

Model		AI			DO		
		Channel	Voltage & Current Input	Sensor Input	Channel	Type	Sink/Source
ET-7019Z/S	ET-7219Z/S	10	±15 mV, ±50 mV, ±100 mV, ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±20 mA, 0~20 mA, 4~20 mA	Thermocouple: J, K, T, E, R, S, B, N, C, L, M, LDIN43710	6/3 (Note 2)	Open Collector	Sink
PET-7019Z/S	PET-7219Z/S	10			6/3 (Note 2)	Open Collector	Sink

Analog Input Module

ET-7017	ET-7217	8	±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±20 mA, 0 ~ 20 mA, 4 ~ 20 mA	–	4	Open Collector	Sink
PET-7017	PET-7217	8		–	4	Open Collector	Sink
ET-7017-10	ET-7217-10	10/20	±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±20 mA, 0 ~ 20 mA, 4 ~ 20 mA	–	–	–	–
PET-7017-10	PET-7217-10	10/21		–	–	–	–
–	ET-7217-A5	8	±50 V, ±150 V	–	4	Open Collector	Sink
–	PET-7217-A5	8		–	4	Open Collector	Sink
–	ET-7217RMS	8	0 ~ +10 Vrms, 0 ~ +5 Vrms, 0 ~ +1 Vrms, 0 ~ +500 mVrms, 0 ~ +150 mVrms	–	4	Open Collector	Sink
–	PET-7217RMS	8		–	5	Open Collector	Sink

Note 1: We recommend to choose ET-7018Z-PET-7018Z and ET-7019Z/PET-7019Z for extremely accurate thermocouple measurement.

Note 2: 6 DO channels for ET-7018Z, PET-7018Z, ET-7019Z and PET-7019Z. 3 DO channels for ET-7218Z, PET-7218Z, ET-7219Z and PET-7219Z.

Analog Output Module

Model		Analog Output					
		Resolu- tion	Channel	Voltage Output	Current Output	Safe Value	Power-on Value
ET-7028	ET-7228	12-bit	8	0 ~ 5 V, ±5 V,	0 ~ 20 mA,	Yes	Yes
PET-7028	PET-7228			0 ~ 10 V, ±10 V	4 ~ 20 mA		