

Expert Data Acquisition Modules

RS232 to RS485 Converter Modules

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- **Key Specifications/Special Features:**
 - Input: RS-232 protocol
 - Speed: "AutoPro" designed auto switch baud rate, 300~115200Bps
 - 256 modules max. in one RS-485 network without repeater
 - 3000V isolation
 - Multiple baud rate; multiple data format
 - Communication distance:
 - 2.1km/9600Bs
 - 2.7km/4800Bps
 - 3.6km/2400Bps
 - Power requirements: +10V-30VDC
 - Power consumption 2.2W(max.)
 - Dimensions: 7 x 10 x 2cm
 - Series products: RS422/RS485/RS232; digital I/O AD/DA module
 - Operation Temp: -25°C to +75°C
 - Storage Temp: -40°C to +80°C



	422	485	Isolate(PLC)	Repeater
EX9520		X		
EX9520R		X	X	
EX9520A	X	X		
EX9520AR	X	X	X	
EX9510		X		X
EX9510A	X	X		X
EX9520 (ISA/PCI)		X		
EX9520A(ISA/PCI)	X	X		

	Digital Input Modules		
	EX9041D	EX9052D	EX9053D
Input Channels	14	8	16
Isolation	Isolation with	6 diff & 2 common	Non-isolated
Isolation Voltage	3750 Vrms		Non-isolated
Digital Level 0	+1V max	+1V max	+2V max
Digital Level 1	+4V to +30V	+4V to +30V	+4V to 30V
Input Impedance	3K Ohms	3K Ohms	820 Ohms
Power Input		+10V to +30VDC	
Power Consumption	0.9W	0.6W	0.9W



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A range of single and multi channel analogue input modules are available for mV, voltage, current, RTD and thermocouple inputs with sampling rates up to 15 Hz. Resolution is typically 16 bit ensuring high accuracy. In conjunction with Smart Tools software these modules can form a power and cost effective multi drop data acquisition system which can easily be expanded at any time by simply adding further modules to the RS485 loop.



Analog I/O Module

		Analog I/O Module				
		EX9016PD	EX9017F/14FD/1 2FD	EX9018P/11PD	EX9033D/13D	
Analog I/P	Resolution	16bit	12bit / 16bit / 12bit	16bit	16bit	
	Input Channel	1 diff	8 diff / 1 diff / 1 diff	8 diff / 1 diff	3 diff / 1 diff	
	Sampling rate	10Hz	75Hz / 100Hz / 100Hz	10Hz	15Hz	
	Voltage I/P		+/- 15mV	+/- 150mV	+/- 15mV	
			+/- 50mV	+/- 500mV	+/- 50mV	
			+/- 100mV	+/- 1V	+/- 100mV	X
			+/- 500mV	+/- 5V	+/- 500mV	
			+/- 1V	+/- 10V	+/- 1V	
	Current I/P		+/- 2.5V	+/- 10V	+/- 2.5V	
			±20mA*	±20mA*/±20mA/ ±20mA*	±20mA*	X
Sensor I/P		6 wire	X	J.K.T.E.R.S.B.N. C.L.M	RTD(Pt, Ni)	
4.5 digit LED Isolated loop Power I/P Linear Scaling		V	X / V / V	X / V	V	
		X	X / V(15v) / X	X	X	
		v	X / V / X	X	X	
Digital I/P & Digital O/P	Isolation	3000v	3000v	3000v	3000v	
	Digital I/P Channels	1	X / 1 / 1	X / 1	X	
	Digital O/P Channels	4	X / 2 / 2	X / 2	X	
	Event Counter	v	X / V / V	X / V	X	
	H/L Alarm	v	X / V / V	X / V	X	
Dual Watchdog Timer		V	V	V	V	
Power I/P		+10V to +30V	+10V to +30V	+10V to +30V	+10V to +30V	
Power Consumption		1.0W	1.3W / 1.9W	1.0W / 1.5W	2.5W / 2.2W	