

Universal Controllers and I/Os



	ioLogik E1210(-T)	ioLogik E1211(-T)	ioLogik E1212(-T)	ioLogik E1213(-T)	ioLogik E1214(-T)	ioLogik E1240(-T)	ioLogik E1241(-T)	ioLogik E1242(-T)	ioLogik E1260(-T)	ioLogik E1262(-T)
Input/Output Interface										
Digital Input Channels	16	–	8	8	6	–	–	4	–	–
Digital Output Channels	–	16	–	4	–	–	–	–	–	–
Configurable DIO Channels (by Jumper)	–	–	8	4	–	–	–	4	–	–
Relay Channels	–	–	–	–	6	–	–	–	–	–
Analog Input Channels	–	–	–	–	–	8	–	4	–	–
Analog Output Channels	–	–	–	–	–	–	4	–	–	–
RTD Channels	–	–	–	–	–	–	–	–	6	–
Thermocouple Channels	–	–	–	–	–	–	–	–	–	8
Digital Outputs										
I/O Type	–	Sink		Source	–			Sink	–	
Current Rating	–	200 mA per channel		500 mA per channel	–			200 mA per channel	–	
Ethernet Interface										
10/100BaseT(X) Ports (RJ45 Connector)	2, Switched									
Ethernet Software Features										
Industrial Protocols	Modbus TCP Server (Slave), Moxa AOPC (Active Tag), MXIO Library, EtherNet/IP Adapter									
Management	RESTful API, SNMPv1/v2c, SNMPv1 Trap, HTTP, DHCP Client, BOOTP, IPv4, TCP/IP, UDP									
Modbus TCP										
Max. No. of Client Connections	10									
EtherNet/IP										
Max. No. of Scanner Connections	9 (for read-only), 1 (for read/write)									
Environmental Limits										
Operating Temperature	Standard models: -10 to 60°C (14 to 140°F) Wide temp. models: -40 to 75°C (-40 to 167°F)									
Storage Temperature (Package Included)	-40 to 85°C (-40 to 185°F)									
Ambient Relative Humidity	5 to 95% (non-condensing)									
Altitude	Up to 4000 m ¹									
Standards and Certifications										
EMC	EN 55032/24, EN 61000-6-2/-6-4									
EMI	CISPR 32, FCC Part 15B Class A									
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF									
Hazardous Locations	ATEX, CID2		–		ATEX, CID2					
Safety	UL 508									
Shock	IEC 60068-2-27									
Freefall	IEC 60068-2-32									
Vibration	IEC 60068-2-6									
Declaration										
Green Product	RoHS, CRoHS, WEEE									

¹ Please contact Moxa if you require products guaranteed to function properly at higher altitudes.

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	ioLogik R1210(-T)	ioLogik R1212(-T)	ioLogik R1214(-T)	ioLogik R1240(-T)	ioLogik R1241(-T)
Input/Output Interface					
Analog Input Channels	–	–	–	8	–
Analog Output Channels	–	–	–	–	4
Configurable DIO Channels (by Software)	–	8	–	–	–
Digital Input Channels	16	8	6	–	–
Relay Channels	–	–	6	–	–
Digital Outputs					
I/O Type	–	Sink	–	–	–
Serial Interface					
Baudrate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 921600 bps				
No. of Ports	2				
Surge	1 kV				
ESD	15 kV				
Serial Signals					
RS-485-2w	Data+, Data-, GND				
Serial Software Features					
Industrial Protocols	Modbus RTU Slave				
Environmental Limits					
Operating Temperature	Standard models: -10 to 75°C (14 to 167°F) Wide temp. models: -40 to 85°C (-40 to 185°F)				
Storage Temperature (Package Included)	-40 to 85°C (-40 to 185°F)				
Ambient Relative Humidity	5 to 95% (non-condensing)				
Altitude	Up to 2000 m ¹				
Standards and Certifications					
EMC	EN 55032/24				
EMI	CISPR 32, FCC Part 15B Class A				
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV IEC 61000-4-6 CS: 3 V IEC 61000-4-8 PFMF				
Safety	UL 508				
Shock	IEC 60068-2-27				
Vibration	IEC 60068-2-6				
Declaration					
Green Product	RoHS, CRoHS, WEEE				

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