

InTekUC - Distributed DI/DO



Specification



Microsol USP-010



DAE SDIDO DTU



MOXA ioLogic R2110

Serial Communication

Protocol	IEC 60870-5-101	DNP 3.0	Modbus RTU
Interface	3 ports RS232	RS-485 (2-wires: D+, D-, Gnd)	RS-485 (2-wires: D+, D-, Gnd)
Line Protection	Isolation 1.5KV DC	Opto-isolation: 5KV rms	15KV ESD for all signals
Baudrate	1200 to 19200 bps	1200 to 19200 bps	1200 to 115200 bps

Digital Inputs

Number of Channels	16 Digital Event Inputs	16	12, source type
DI mode	DI	DI	DI or Counter (up to 50 Hz)
Logic 1	18 to 30 VDC	40 to 125 VDC	10 to 30 VDC
Common Type	four (4) groups	two (2) groups	single group
Isolation	Optical Isolation 2KV ACrms	Optical Isolation 2KV ACrms	3 KVDC or 2 KV ACrms

Digital Outputs

Number of Channels	8, each w/ single pole contact	6, each w/ single pole contact	8, sink type
DO mode	Latch or Pulse	Pulse and SBO	Latch or Pulse (single to 50Hz)
Contact Rating per DO	5A @ 250 VAC or @ 30 VDC	1A @ 48 VDC	max. 200 mA @ 36VDC
Isolation	2.5kV Output Isolation	2.5kV Output Isolation	3 KVDC or 2 KVrms

Environmental

Power Input	24 VDC nominal, 18 to 36 VDC	48 VDC nominal, 40 to 56 VDC	24 VDC nominal, 12 to 48 VDC
Power Consumption	600 mA @ 24 VDC	500 mA @ 48 VDC	282 mA typical @ 24 VDC
Operating Temperature	-20° to +60° C	0° to +70° C	-10 to 60°C