

EasyIO 30P

30-POINT ETHERNET CONTROLLER

The EasyIO-30P controllers are rugged; network centric, multi-protocol Input/output controllers to, accommodate applications with BACnet IP, BACnet Ethernet, BACnet MSTP, Modbus Serial (RS485) and Modbus TCP/IP protocols. It also has a built-in web server for easy configuration.

The controller can be configured as bridge controller providing a network bridge for Ethernet and serial communication (RS485) via built-in protocol converter (for Modbus only). This will reduce wiring cost, simplify network implementation and significant cost.



SPECIFICATIONS

Power Supply	24V AC +/- 5% or 24V DC +20% / - 15%
Consumption	12VA
Current Rating	500mA at 24VAC/VDC
Storage Temp	-20 to 85 oC (-4 to 185 oF)
Operating Temp	0 to 65 oC (32 to 150 oF)
Operating Humidity	10% to 90% Relative Humidity noncondensing
Dimensions	187 x 110 x 47 (mm), 7.4 x 4.3 x 1.9 (inches)
Material	UL Approved
Weight	600g / 21.2 oz
Main Processor	96 MHz ARM
Flash Memory	2MB
RAM	8MB
RS 485 Ports	1 x RS485
Real Time Clock (RTC)	Real Time Clock with Cell Button Battery Backup
Power Failure Protection	-
Protocols Supported	BACnet MSTP Server, BACnet IP Server, Modbus RTU Master/Slave, Modbus TCP Slave
Time Sync Protocol	Network Time Sync Protocol
Modbus Baud Rate	Speed : (9.6K, 19.2k, 38.4K, 57.6K) , Data Bits : 8 , Parity : Odd, Even, None
BACnet Baud Rate	Speed : 9.6K, 19.2k, 38.4K, 76.8K
Ethernet	10Base-T/ 100Base-T interface, half or full duplex
Universal Inputs	8 x UI , 12-bit ADC with PGA Resistance Mode : 500 - 500K Ohms (+/- 10 Ohms) Voltage Mode : 0-10V (+/- 0.05V) Current mode: 0-20mA DC (+/- 0.01 mA) Impedance < 25 Ohms Pulse count mode (max): 20 Pulse per sec at 50% duty cycle (20Hz) 4 channels only. Digital mode : Voltage Free Contact
Digital Output	8 x DO Type: Relay Contacts, SPST NO, 48VA/2A at 24V
Analog Output	4 x AO, 12-bit DAC Maximum 10mA current draw
SKU	EasyIO-30P
Warranty	Yes. Ask your local representative
Certifications	CE, BTL, UL, FCC, RoHS
Engineer Tool	CPT
Product and Engineering License	Included
Annual Maintenance	Included
Contact	www.easyio.com