

# EasyIO FD20i

## 20-POINT IO EXPANSION MODULE

The FD-20i provides input point expansion capacity for all FS, FG+ and FW series controllers. The FD20i has 20 input points, supports BACnet MSTP or Modbus RTU as a selectable function and is equipped with a RS485 port. The inputs include 10 Digital Inputs (DI) and 10 Universal Inputs (UI) supporting resistance based (10K or 20K) or digital dry contact.



## SPECIFICATIONS

<b>Power Supply</b>	<b>24V AC +/- 5% or 24V DC +20% / - 15%</b>
Consumption	< 11VA
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 non-condensing
<b>Dimension</b>	<b>192 x 104 x 44 (mm), 7.5 x 4.1 x 1.7 (inches)</b>
Material	UL Approved
Weight	410g / 14.4 oz
<b>Main Processor</b>	<b>48 Mhz ARM Cortex A0</b>
Flash Memory	256KB
RAM	32KB
RS 485 Ports	1 x RS485
<b>Protocols Supported</b>	<b>BACnet MSTP Server, Modbus RTU Master</b>
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
<b>Universal Inputs</b>	<b>10 x UI , 12-bit ADC with PGA. Resistance Mode : 400 - 300K Ohms (+/- 10 Ohms). Thermistor sensor supported : NTC 10k Type 2/3 and NTC 20k (+/- 0.1 °C)</b>
Digital Inputs	10 x DI, Voltage free contact
<b>SKU</b>	<b>EasyIO-FD20i</b>
Warranty	18 months
Certifications	CE, BTL, UL, FCC, RoHS
Engineer Tool	CPT
Product and Engineering License	Included
Annual Maintenance	Included
<b>Contact</b>	<b>www.easyio.com</b>