EasyIO Wi-Fi Controller
8 points
EasyIO-FW-8

The EasyIO-FW-8 is a new breed, high performance, freely programmable, wireless Wi-Fi Sedona controller. It has never been easier to extend your BMS because of its wireless possibilities. You will save on labor and wiring. The EasyIO-FW-8 is a perfect fit for vertical markets such as schools and retail, to have extended IO for the F-series controllers, without any downtime during installation as the network can be wireless. It's ideal for all kind of applications such as fan coils, terminal units, AHU's, room and stand-alone applications, featuring SOX, TCOM, FGP2P and BACnet communication protocols.

The EasyIO-FW-8 can be programmed and live commissioned via free CPT Tools and an integrated HMTL5 dashboard. It has BACnet IP server / client, BACnet MSTP client (combination of BACnet MSTP client and BACnet IP client up to five devices total) and two Ethernet ports for daisy chain connection wiring. Wired and wireless deployment is encouraged, so there is no need to worry about IT. The EasyIO-FW-8 includes 4 UI (voltage and resistance) and 4 x AO (Voltage). For floating control, the optional FR-02 module is available to add to the FW-8.

Specification:

Power Supply	24VAC +/- 5% or 24V DC +20%/-15%
Consumption	500 mA
Operating temp	0 to 65 °C (32 to 150 °F)
Storage temp	-20 to 65 °C (-4 to 150 °F)
Operating humidity	10% to 70% relative humidity non-condensing
Dimensions	136 x 104 x 44 mm (L x W x H)
Material	UL Approved Plastic
Weight	350g

Inputs & Outputs:

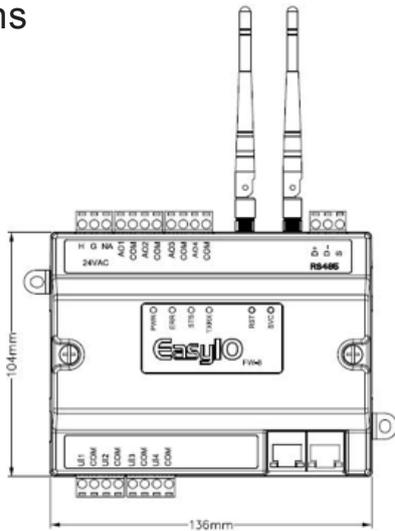|	
Universal Input	4xUI
	12-Bit ADC (with PGA)
	Voltage: 0 ~ 10V DC (+/- 0,05V)
	Resistance input: 500 ohms to 500K ohms (+/-10 Ohm)
	Thermistor Sensor: 10K, 10K Shunt, 20K 1K Balco, 1K Platinum: All (+/- 0.1 ºC)
	UI as DI: Voltage Free Contact
Analog Output	4xAO
	12-Bit DAC
	Voltage: 0~10V,
	Min Impedance 10k Ohm

Communication:

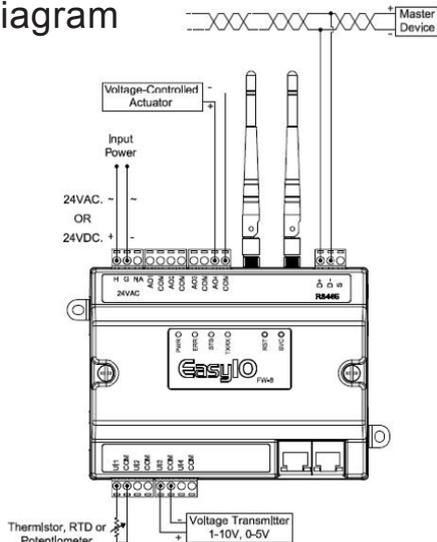|	
Physical Interface 1 (Port 1)	EIA-485 Two-wire, Half Duplex
BACnet Baud Rate:	Speed: (9.6K, 19.2k, 38.4K), Data Bit: (8 bits), Parity: (None)
WiFi	WIFI (802.11b/g/n)
Ethernet	2 Ethernet Ports 10/100M
Ethernet/WiFi Support	IP, TCP, UDP, ICMP, HTTP, FTP
Application Support	Sedona, BACnet MSTP Client, BACnet IP Server/Client and Tcom

![EasyIO®]

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The FW-8 comes with one standard RS485 driver to support BACnet MSTP. The FW-8 also comes with two Ethernet Ports to program the Sedona Application, TCOM, FGP2P, BACnet and for web configurations.

The concept behind the FW series is that the FW-8 is a free programmable controller that perfectly fits in a network of controllers or standalone because if its own real-time clock. The available resources inside the controller are not limited to the 8 I/O so you will be surprised by its high power.

Features:
- First EasyIO controller based on WiFi Technology
- 4 UI
- 4 AO (voltage)
- 1 RS485
- 2 Ethernet 10/100 BaseT port
- Support Wifi 802.11 b/g/n
- Support Sedona VM
- Support SOX, TCOM, FGP2P
- BACnet Client IP / MSTP (5 devices)
- BACnet IP server
- SQLite (10 tables x 20 columns x 500 records)
- Email
- Dashboard (Freeboard)

Dimensions

Wiring Diagram

PHP + SQL

| Linux Powered | BACnet | Sedona Framework | WiFi | HTML5 |

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Optional antenna's

There are two optional Wi-Fi antenna's for the EasyIO FW-series. They can extend the Wi-Fi signal of an FW controller, if it's, for example, mounted inside a panel.

• EIO-FW-ANT-1
  Single 3dBi antenna with cable and magnetic base
• EIO-FW-ANT-2
  Double 3dBi antenna with cable and magnetic base