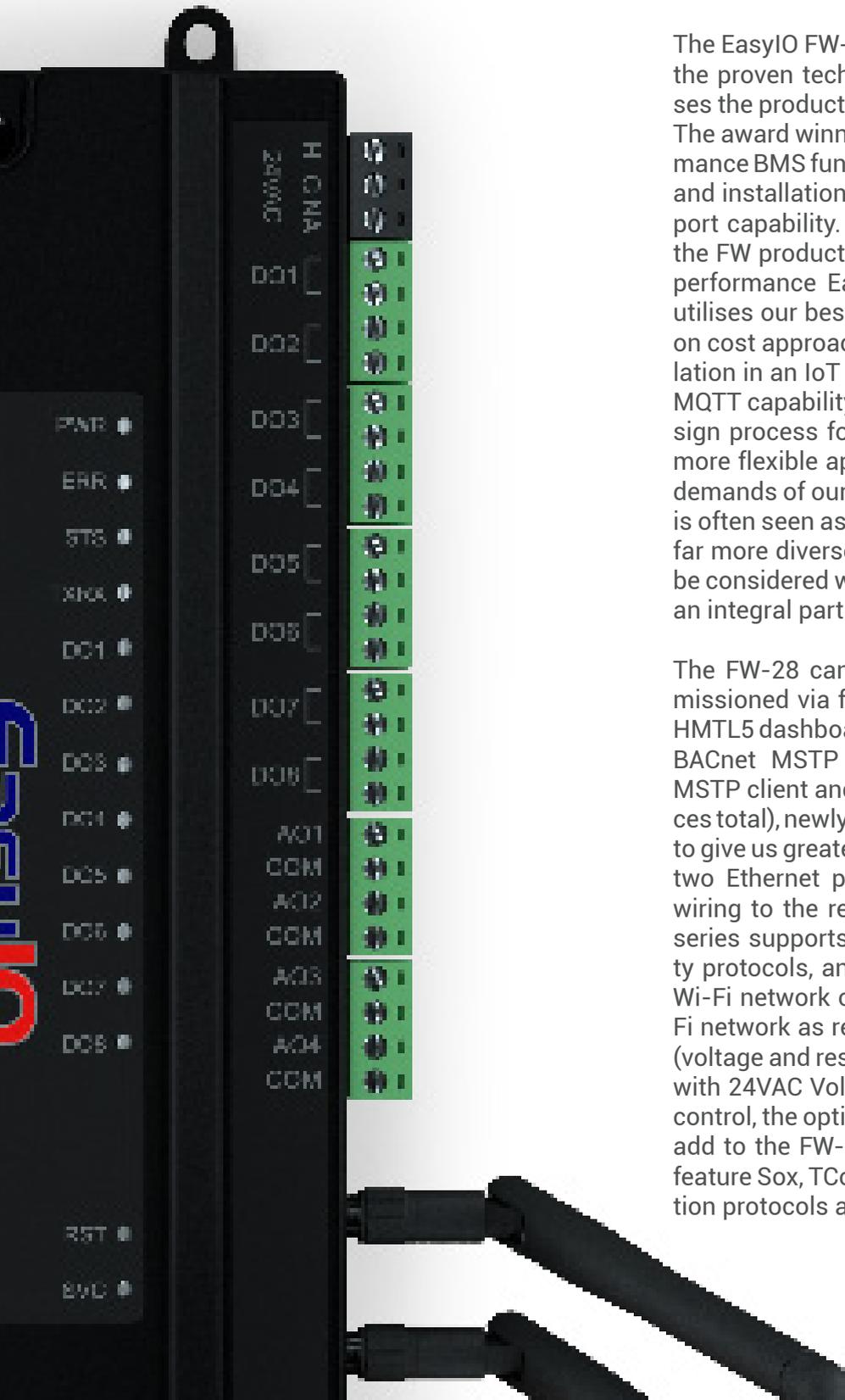


EASYIO FW-28 CONTROLLER



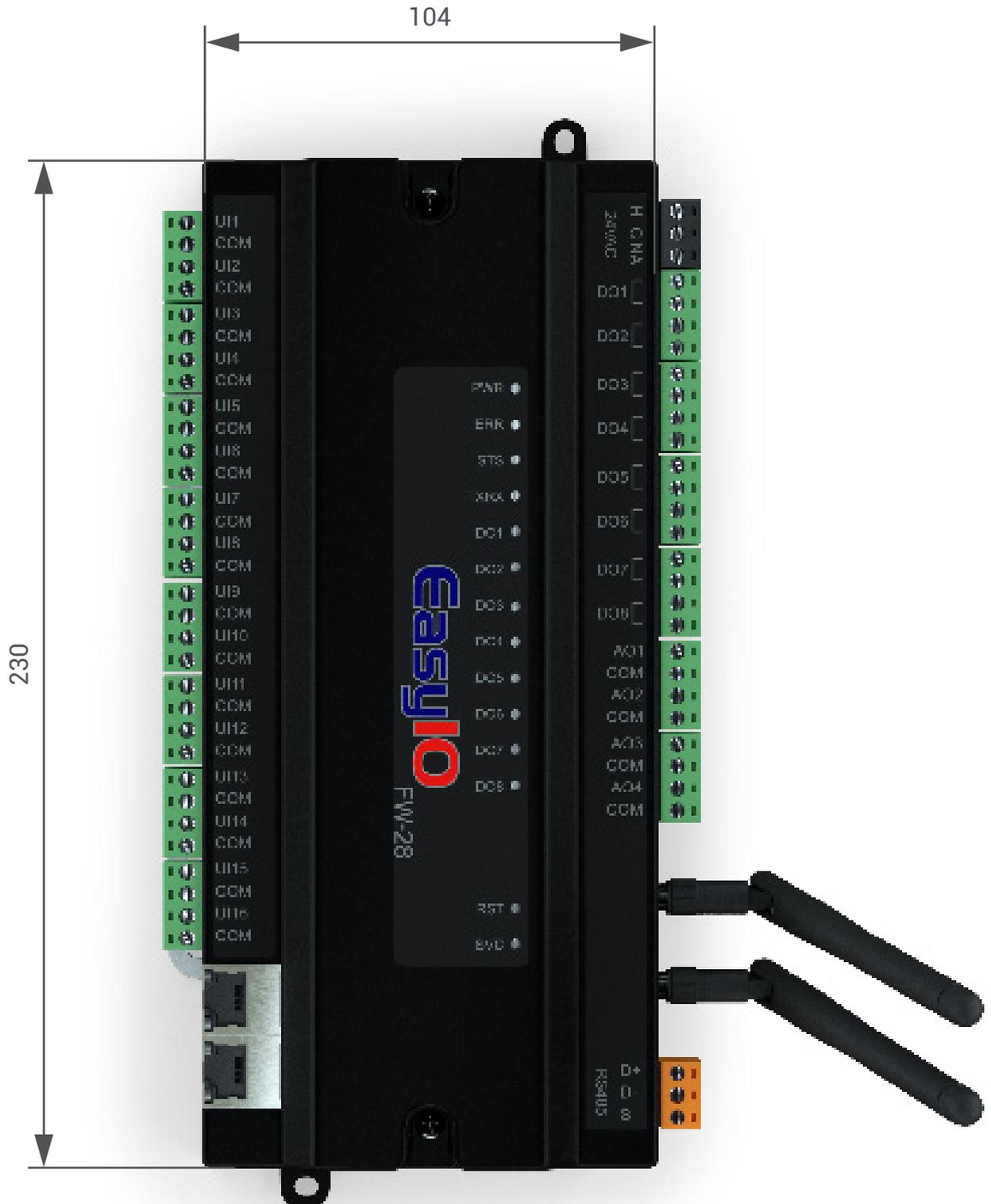
28 POINT WI-FI AND IP CONTROLLER



The EasyIO FW-28 extends the FW series with all the proven technology of the range and increases the product reach with a larger I/O capability. The award winning FW series deliver high performance BMS functionality, with flexibility in design and installation with the Wi-Fi and dual Ethernet port capability. Dependent on your requirement, the FW product range can be used within a high performance EasyIO total system solution and utilises our best performance and overall solution cost approach. Or simply implemented in isolation in an IoT based demand, with the onboard MQTT capability. The FW series opens up the design process for our Partners and permits a far more flexible approach to delivering the modern demands of our buildings. The FW product range is often seen as a Fan Coil Unit controller, but it is far more diverse and flexible than that. It should be considered within an overall system design as an integral part of your total solution.

The FW-28 can be programmed and live commissioned via free CPT Tools and an integrated HTML5 dashboard. It has BACnet IP server/client, BACnet MSTP client (combination of BACnet MSTP client and BACnet IP client up to five devices total), newly introduced Modbus RTU support, to give us greater and increased functionality and two Ethernet ports for daisy chain connection wiring to the recommended standards. The FW series supports IT based standards and security protocols, and can be set up within a client's Wi-Fi network or set up as an isolated BMS Wi-Fi network as required. The FW-28 includes 8 UI (voltage and resistance), 4 AO (Voltage) and 2 DO with 24VAC Volt free contact relays. For floating control, the optional FR-02 module is available to add to the FW-28. The FW series products also feature Sox, TCom, P2P and BACnet communication protocols and MQTT Publisher.

THE DIMENSIONS



THE SPECIFICATIONS

DETAILS:

<i>Power Supply</i>	24VAC +/- 5% or 24V DC +20%/-15%
<i>Consumption</i>	500 mA
<i>Operating temp</i>	0 to 65 °C (32 to 150 °F)
<i>Storage temp</i>	-20 to 65 °C (-4 to 150 °F)
<i>Operating humidity</i>	10% to 70% relative humidity non-condensing
<i>Dimensions</i>	230 x 104 x 44 mm (L x W x H)
<i>Material</i>	UL Approved
<i>Weight</i>	410g

INPUTS & OUTPUTS:

<i>Universal Input</i>	16xUI 12-Bit ADC (with PGA) Voltage: input range 0 ~ 10V DC (+/-0,05V) Resistance: input range 500 ohms to 500K ohms (+/-10 Ohm) Thermistor Sensor: 10K, 10K Shunt, 20K, 1K Balco, 1K Platinum: All (+/- 0.1 °C) Digital: Voltage Free Contact
<i>Digital output</i>	8xDO (with LED's for status) Pilot duty: 24VAC, 2.0A or 24VDC, 2.0A Type: Relay Contacts, SPST NO, 48VA at 24VAC
<i>Analog Output</i>	4xAO 12-Bit DAC Voltage: 0~10V, Min Impedance 2k Ohm

THE SPECIFICATIONS

COMMUNICATION:

<i>Physical Interface 1</i>	EIA-485 Two-wire, Half Duplex (Port 1)
<i>BACnet MSTP Client</i>	Speed: (9.6K, 19.2k, 38.4K), Data Bit: (8 bits), Parity: (None)
<i>Modbus RTU Master</i>	Speed: (9.6K, 19.2k, 38.4K, 57.6K, 115.2K bit/s), Data Bit: (8 bits), Parity: (None, Even, Odd)
<i>Wi-Fi</i>	Wi-Fi (802.11b/g/n)
<i>Ethernet</i>	2 Ethernet Ports 10/100M
<i>Ethernet/Wi-Fi Support</i>	IP, TCP, UDP, ICMP, HTTP(S), (S)FTP DHCP client or server
<i>Application Support</i>	Sedona, BACnet MSTP Client, BACnet IP Server/Client, TCom, P2P Modbus RTU Master and MQTT

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



KEY FEATURES

- 1 RS485
- 2 Ethernet 10/100 BaseT port
- Support Wi-Fi 802.11 b/g/n
- Support Sedona VM
- Support Sox, TCom, P2P
- Modbus RTU Master (5 devices)
- BACnet Client IP / MSTP (5 devices)
- BACnet IP server
- SQLite (10 tables x 20 columns x 500 records)
- Email
- Dashboard (Freeboard)



{REST:API}

sedona



PARTNER DETAILS

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