

EASYIO 32 POINTS CONTROLLER.



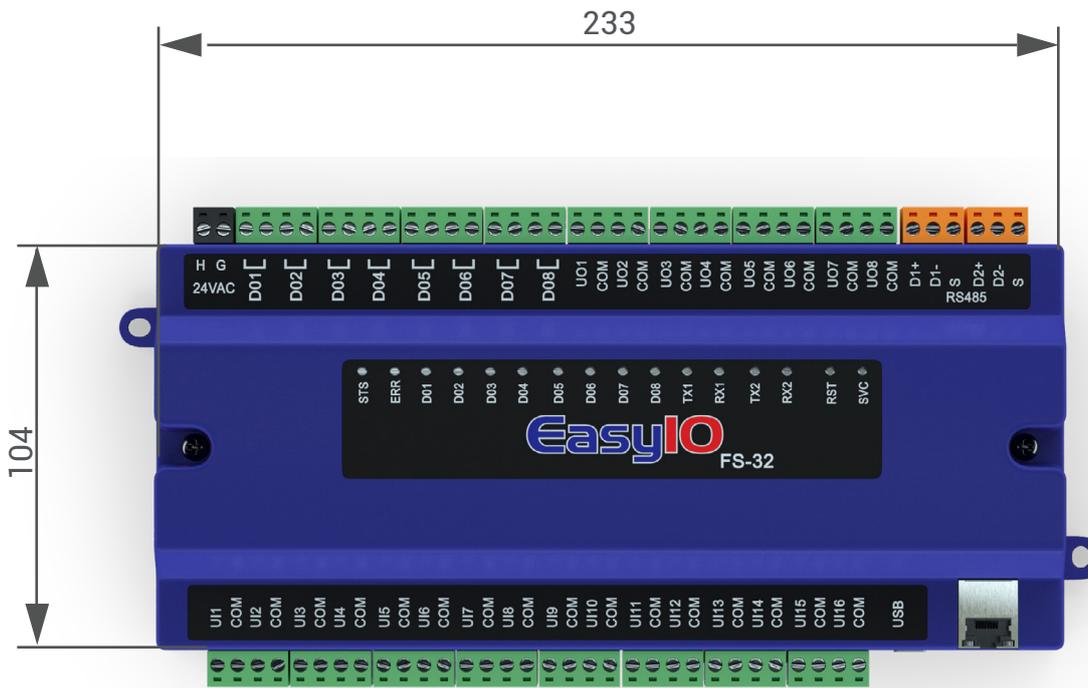
32 POINTS CONTROLLER.



The FS-32 is a high-performance server class controller with a 1.2 GHz quad core processor, 512 MB RAM and 8GB flash memory, powerful capabilities with HTML5 graphics and multifunctional adapter widgets. The built-in VPN client/server allows for secure remote connectivity in line with your client's corporate policy, a unique feature for BMS controllers. The FS-32 supports IT standards, such as IPv6, 802.1x, MQTT publish/subscribe and REST API.

The FS-32 has incomparable industry performance, allows for flexible design, permitting secure integration at a BMS and IoT level. The FS-32 is freely and live programmable via the EasyIO CPT Tools and supports all BMS protocols such as BACnet, Modbus, Sox, TCom and can be integrated to leading head ends and enterprise management systems.

THE DIMENSIONS.



THE SPECIFICATIONS.

DETAILS:

<i>Power Supply</i>	24V AC +/- 5% or 24V DC +20%/-15%
<i>Consumption</i>	18VA
<i>Current Rating</i>	750mA at 24VAC/VDC
<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>	233 x 124 x 44 mm (9,2 x 4,9 x 1,7 inch)
<i>Material UL</i>	Approved Plastic
<i>Weight</i>	800g

INPUTS & OUTPUTS:

<i>Universal Input</i>	16xUI 12-Bit ADC (with PGA) 5 modes: Digital mode: voltage free contact input. Resistance mode: input range 500 - 500 KOhm. Voltage mode: input range 0-10V Current mode: input range 0-20mA. Pulse count mode: maximum pulse frequency: 20Hz
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THE SPECIFICATIONS.

INPUTS & OUTPUTS:

<i>Digital output</i>	8xD0 (with LED's for status) Relay output with contact rating 1A 30VDC
<i>Universal Output</i>	8xU0 3 modes: Voltage mode: output range 0-10V. Minimum Impedance 2,000 Ohm. Current mode: output range 0-20mA. Maximum Impedance 800 Ohm. Digital mode: maximum sinking current 200mA.

COMMUNICATION:

<i>Physical Interface 1 & 2 (Port 1 & 2)</i>	EIA-485 (BUS A,B) Two-wire, Half Duplex
<i>Modbus Baud Rate</i>	Speed: (9.6K, 19.2k, 38.4K, 57.6K, 115.2K bit/s), Data Bit: (8 bits), Parity: (None, Even, Odd)
<i>BACnet Baud Rate</i>	Speed: (9.6K, 19.2k, 38.4K,78.6K), Data Bit: (8 bits), Parity: (None)
<i>Ethernet Support</i>	IPv4, IPv6, TCP, UDP, ICMP, HTTP(S), (S) FTP, Samba, DHCP client
<i>Application Support</i>	Sox, TCom, Modbus, BACnet, P2P, MQTT publish/subscribe, REST API
<i>Security</i>	VPN client/server, 802.1x, TLS 1.2

THE SPECIFICATIONS.

CHARACTERISTICS

- *1.2 Ghz Quad Core ARM A7 main processor*
- *48 Mhz ARM Cortex-M0 processor for the I/O*
- *512MB Gbyte RAM*
- *8GB NAND Flash*
- *SD card holder*
- *1 x 10/100 Ethernet Port*
- *1 x Mini USB*
- *2 x RS485*
- *Real Time Clock*
- *SuperCap Apps Safety Backup*
- *24V AC/DC Power*
- *Remote Flash Upgrades*

KEY FEATURES.

- 2 processors, main processor is 1.2 Ghz Quad Core
- Memory/Storage – 8GB EMMC on board and history storage
- Supports BACnet, Modbus, TCom and Sox protocols
- Supports MQTT publisher, REST API and other web services
- Built-in VPN client and server, IPv4, IPv6, 802.1x, TLS 1.2
- Programmable gain amplifiers for all UI channels for higher precision at lower range.
- Nginx Web Server Engine for HTML5 graphics



PARTNER DETAILS.

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