



IoT Node Controller of I/O and different kinds of data communication interfaces by MQTT or HTTP.

TECHNICAL SPECIFICATIONS

CPU	Quadcore Microprocessor CPU ARM 64bits@1.4GHz, 1GB RAM and up to 32GB Flash
Memory	Memory for the system and data storage with a MicroSD card
Real time clock	External with backup supply battery
ADC	ADC 16 bits multiplexed to the 4 I/O
Watchdog timer (WDT)	Internal Watchdog
Firmware Updates	Pending development
LED indicators	3 status LEDs (System supply, communications and system active)
Display	MQTT

I/O AND COMMUNICATION PORTS

I/O	Configurable I/O by software such as: Digital outputs, digital inputs, analog Inputs (for supply or current) and analog outputs(0-10V) Analog input range configurable by software such as: 0-10V, 0-20mA and 4-20mA
Communications ports	1 x RS-232 (BLE compatible port) 1 x RS-485 (BLE compatible port) 1 CAN Bus 2.0B 4 USB 2.0 1 Ethernet 10/100/1000Mbps 1 Wi-Fi 5 + Bluetooth 4.2, BLE
Analog inputs calibration	All analog input can be calibrated by B-Bus commands The I/O are protected against incorrect wiring by the configuration of the I/O with the following restrictions:
I/O protections	Max. voltage I/O: Supply voltage (12V) Max. Output current: 100mA

SUPPLY CIRCUIT

Supply voltage	12VDC
Maximum consumption	<2,5W

ENVIRONMENTAL CONDITIONS

Working temperature	0° ~ 85°C
Humidity	5% ~ 95% (without condensation)
Degree of protection	IP20

INFORMATION ABOUT ORDERING

Minimum order	1
Order reference	ioTConnector
Accessories:	Desk case, DIN Rail case

CONSTRUCTION FEATURES

Dimensions	90x58x70mm (W/H/D)
Box material	Plastic
Installation type	DIN Rail

CERTIFICATES AND DECLARATIONS

Rules	EN 61000-6-2:2005 EN 61000-6-3:2007 + A1:2011
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This product is compatible with RoHS (2011/65/UE)