

Q.BE



MQTT ELECTRONIC INTERFACE BOARD

MQTT (Message Queuing Telemetry Transport) is a lightweight TCP/IP-based communication protocol designed for the efficient transmission of real-time data between IoT (Internet of Things) devices and supervisory systems. Thanks to its publish/subscribe architecture, it enables simple, reliable, and scalable information exchange, even on low-bandwidth networks. It is particularly suitable for applications in home automation, industry, and smart city.

All control units that have the MQTT logo can be used in an MQTT network using the Q.BE interface card.



- Electronic board that allows to easily integrate Benincà automation systems with other systems through the MQTT communication protocol
- Equipped with a local web server, it allows commands to be sent directly via browser, without the need to pass through an external server
- It has a serial interface to compatible Benincà control units and an Ethernet port for connection to a PC or network
- It is possible to control the automation, query the status of the inputs, any alarms, or simply access the statistical parameters (e.g., the number of operations for scheduled maintenance management)

Power	Via EXP directly from the automation system or 8 to 30 Vdc - 10 to 30 Vac
Power consumption	I Average = 100 mA (depending on configuration and setup)
CPU	Freescale™ i.MX6 Family, based on ARM Cortex-A9 processors: i.MX6ULL up to 528 MHz
RAM	256MB DDR3L soldered on board
Flash	8GB eMMC soldered on board, expandable with internal MicroSD (optional connector)
OS.	Linux File System - YOCTO - Pyro, Linux kernel var-som-mx6ul 4.9.88
Networking	Main Ethernet interface 10/100
Notifications	PowerON LED and LED diagnostics
Clock	Internal RTC with dedicated backup battery
Operating temperature	0°C /+70°C

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