

moduleX

Expansion I/O Module

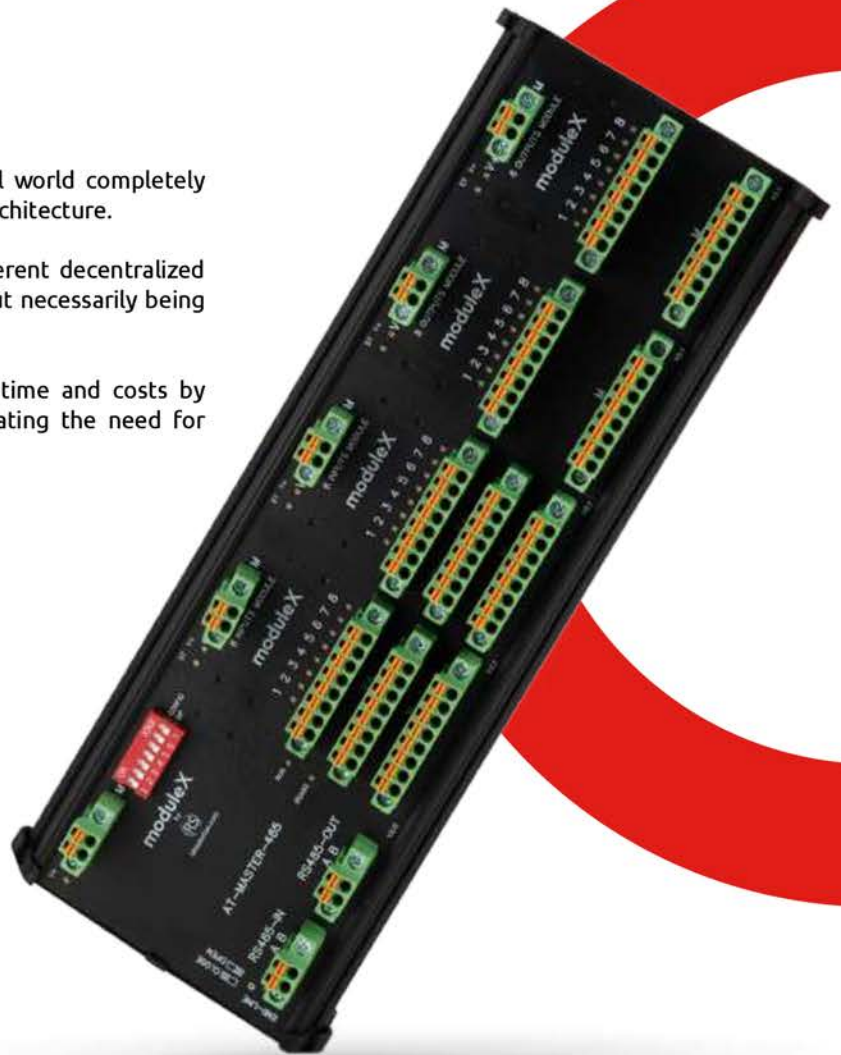
ModuleX is an expandable I/O platform for industrial world completely designed and developed to implement a distributed architecture.

The main asset of ModuleX is its ability to have different decentralized clusters along the automation line or machine, without necessarily being confined to a single cabinet.

Last but not least, this solution helps reduce both time and costs by allowing direct wiring to secondary modules, eliminating the need for distribution blocks.

- Expandable I/O Module
- Optional on DIN rail
- Distributed I/O architecture
- Daisy-chain connection
- Automatic configuration

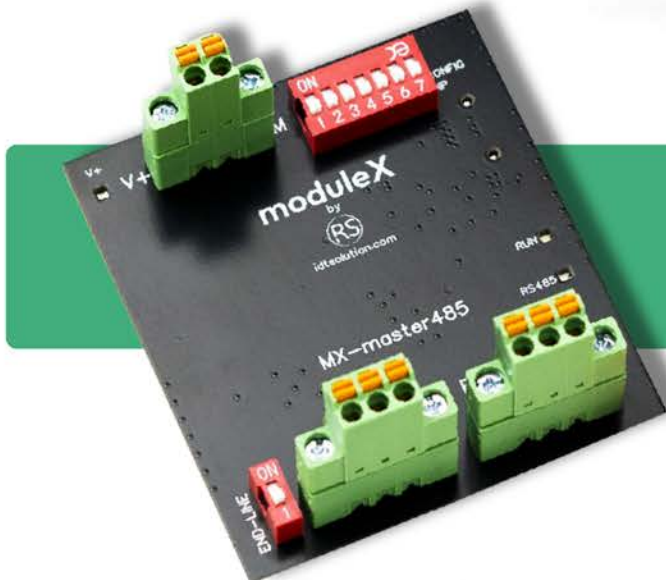
Board type:



MX-master485

Master module compatible with all PLCs with Modbus-RTU capabilities on the market.

The master module can handle up to 16 secondary modules, forming an I/O cluster, and up to 16 clusters can be connected on the same RS485 bus.



Features:

○ PLUG & PLAY

No software configuration is required; the master can be connected through 2 wires to any device with an RS485.

○ MODULAR

A cluster consists of 1 master device that can handle up to 16 slave modules. By adding or removing modules, the master self-configures dynamically, eliminating the need for intervention by an expert technician for reconfiguration.

○ DISTRIBUTED

The RS485 bus can be extended from each master, reaching up to 16 distributed clusters within a facility. This allows for up to 2048 digital I/O points.

○ SIMPLIFIED WIRING

In a traditional electrical panel, I/O modules or PLCs are wired to distribution terminals, to which sensors and actuators are then connected. Our modules eliminate this step for installers by providing power distribution terminals for direct wiring. This results in significant space, time, and cost savings.

○ SPEED

Each cluster achieves a refresh rate of 10 mSec for 128 I/O points!.

4 MODULES AVAILABLE

DIGITAL

MX-8DI: 8 digital inputs

MX-8DO: 8 digital outputs



8 digital inputs



8 digital outputs

4 analog outputs



4 analog inputs



ANALOG

MX-4AI: 4 analog inputs

MX-4AO: 4 analog outputs