

# **IOLBOX**

AN IOLINK SLAVE
DEVICE
AND MODBUS RTU
GATEWAY FOR
MECHATRONIC
GRIPPERS



A unique design for several products





## **IO-LINK INTERFACE**

Using the IOLink technology the IOLINK master communicates with IOLBOX sharing both process data and parameters.

#### **Process Data**

- Actuator commands (opening, closing, braking, etc...)
- Force reference value (gripping force limitation)

#### **Parameters**

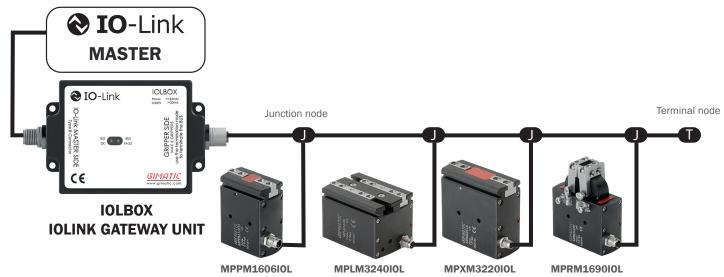
- Actuator status (fully opened, fully closed, object gripped, error, etc...)
- · Position of the jaws
- > Up to 5 grippers.
- > Simple installation and configuration of the device.
- > Monitoring of the status of the device.
- > Advanced diagnosis functionalities.
- > Easily replace a device with another of the same type.
- > Suitable for all gripper sizes (16, 25, 32).
- > No electricity consumption when engaged.
- > 10 milion cycle maintenance-free.
- > Position retention guaranteed in event of blackout.
- > Modbus RTU over RS-485 gateway.
- > Force and position controlled cyclically.
- > Exchanged parameters with data and maintenance information.
- > Slave ID settable to create the grippers network.



## Network of grippers: several different Plug & Play grippers can be connected to the same IOLBOX

The user can create a network of grippers where the **IOLBOX** is the unique IOLink device that uses only one node of the external IOLink master.

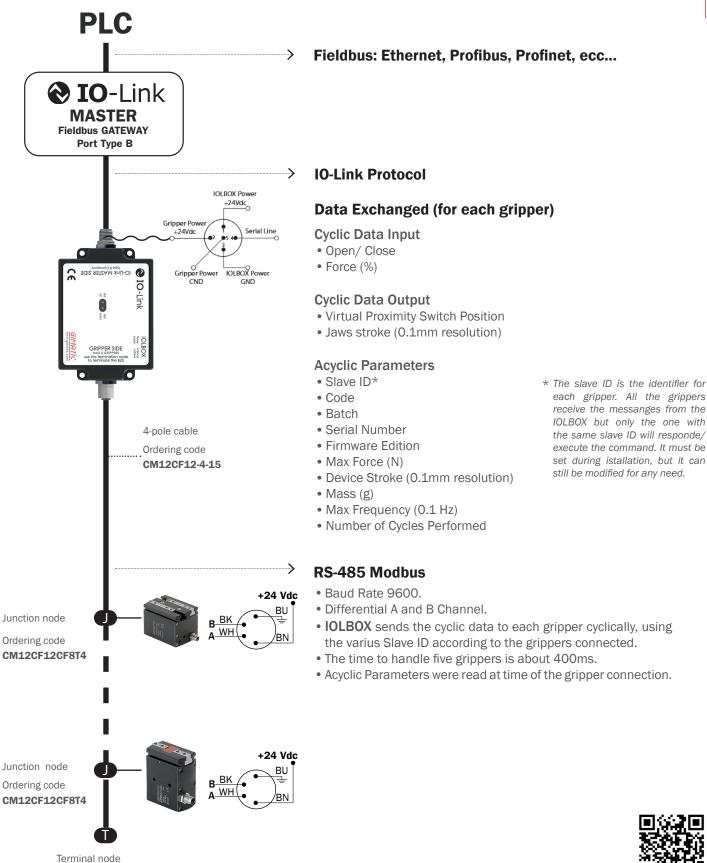
The **IOLBOX** behaves as an IOLink gateway toward a special digital version of Gimatic's standard electric grippers.



All Gimatic grippers can be ordered in IO-LINK version by adding 'IOL' to the normal code.



### **Architecture example**



Ordering code

CM1200400TERM



Catalogue



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Sales Network