

IO-LINK INTERFACE



IOLBOX
A UNIQUE DESIGN
FOR SEVERAL PRODUCTS

IOLBOX FEATURES

- Up to 5 grippers.
- Simplify installation and configuration of the device.
- Monitor the status of the device.
- Allow advanced diagnosis functionalities.
- Easily replace a device with another of the same type.
- Suitable for all grippers sizes (16, 25 and 32).

Using the IO-Link technology the IOLINK master communicates with IOLBOX sharing both process data and parameters.

PROCESS DATA

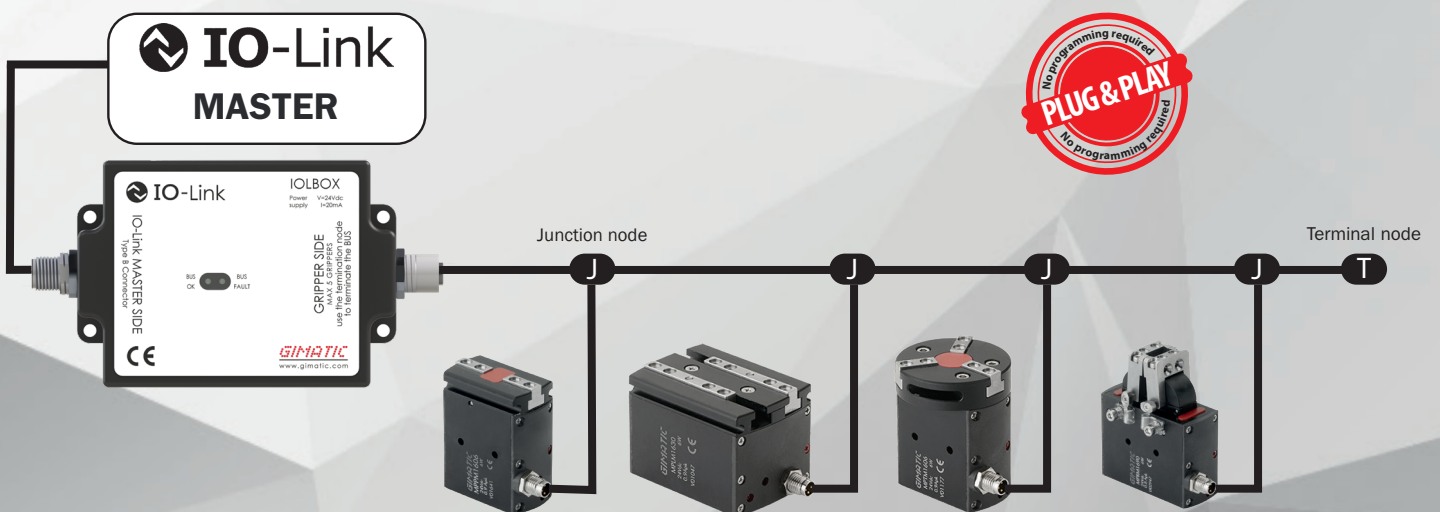
- Actuator commands (opening, closing, braking, etc...).
- Force reference value (gripping force limitation).

PARAMETERS

- Actuator status (fully opened, fully closed, object gripped, error, etc...).
- Position of the jaws.

- The user can create a network of grippers where the **IOLBOX** is the unique IO-Link device that uses only one node of the external IO-Link master.
- The **IOLBOX** behaves as an IO-Link gateway toward a special digital version of Gimatic's standard electric grippers.

**SEVERAL DIFFERENT
PLUG & PLAY GRIPPERS
CAN BE CONNECTED
TO THE SAME IOLBOX**



IO-LINK INTERFACE

IO LINK GRIPPERS

- No electricity consumption when engaged
- 10 million cycle maintenance-free
- Position retention guaranteed in event of blackout
- Modbus RS-485 communication
- Force and position controlled cyclically
- Exchanged parameters with data and maintenance information
- Slave ID settable to create the grippers network

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



MPXM3220IOL
2 Jaws parallel long stroke self centering



MPPM1606IOL
2 Jaws parallel self centering



MPLM3240IOL
2 Jaws parallel extra long stroke self centering



MPLM1630IOL
2 Jaws parallel extra long stroke self centering



MPRM1690IOL
2 Jaws radial self-centering electric gripper

