COMTROL IO-LINK BLOCK FAMILY

The Comtrol IO-Link Block modules enable the connection of binary and complex sensors and actuators in the field. The connection between the modules and the respective IO-Link master is made via an M12 connecting line (port class A). In case of modules with increased power consumption, an additional voltage infeed is possible (port class B). The modules are designed according to IO-Link specification V1.1; the range of the point-to-point connection is 20 m in accordance with the specification. All connected IO-Link devices can be identified, diagnosed and if necessary simply replaced without parameterization having to be carried out again.

With their compact and space-saving design the IO-Link Block modules are suitable for the most diverse applications. The IO-Link connections are integrated into proven plastic housings for additional protection in extremely harsh environments. Binary sensors can be connected to 8- or 16-channel modules with an M8 or M12 screw connection. The universal digital I/O modules with 8 or 16 freely usable input/output channels are particularly flexible in use. Analog signal scan be acquired and output with the 4-channel analog input box or combi box with two analog inputs and two analog outputs. In combination with a V1.1 master this allows the sensor parameters to be saved in the master and reloaded. Apart from process data, acyclic data such as device information (parameters, identification data, diagnosis, etc.) and events (e.g. error message, warning) can be transmitted with the IO-Link Block modules.

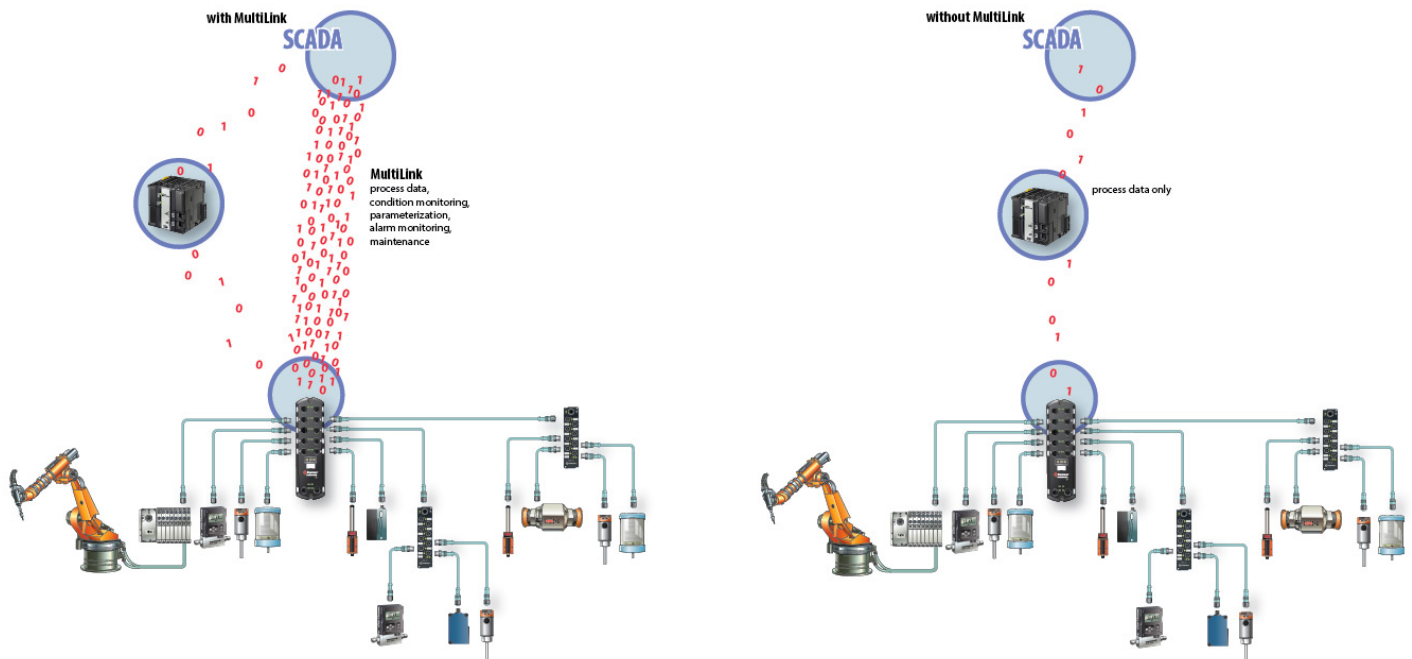| Product Model	Product Description	Comtrol Part Number
IOLB-7014	IOLB-7014, I/O Block, Analog Input, 4- Ch, M12	99640-8
IOLB-7214	IOLB-7214, I/O Block, Analog I/O, 4-Ch, M12	99643-9
IOLB-8008	IOLB-8008, I/O Block, Digital Input, 8-Ch, M8	99645-3
IOLB-8018	IOLB-8018, I/O Block, Digital Input, 8-Ch, M12	99647-7
IOLB-8108	IOLB-8108, I/O Block, Digital Output, 8-Ch, M8	99650-7
IOLB-8118	IOLB-8118, I/O Block, Digital Output, 8-Ch, M12	99652-1
IOLB-8308	IOLB-8308, I/O Block, Digital I/O, Configurable, 8-Ch, M8	99655-2
IOLB-8318	IOLB-8318, I/O Block, Digital I/O, Configurable, 8-Ch, M12	99657-6

Comtrol offers IO-Link Masters in IP 20 and IP 67 versions:
- EtherNet/IP and Modbus Models
  - IO-Link Master 4-EIP – Part Number 99570-8 (IP 67)
  - IO-Link Master DR 8-EIP – Part Number 99590-6 (IP 20)
  - IO-Link Master 8-EIP – Part Number 99608-8 (IP 67)
- PROFINET IO Models
  - IO-Link Master 4-PNIO – Part Number 99575-3 (IP 67)
  - IO-Link Master DR 8-PNIO – Part Number 99592-0 (IP 20)
  - IO-Link Master 8-PNIO – Part Number 99605-7 (IP 67)

Comtrol's IO-Link Masters also come with MultiLink technology that allows our IO-Link Masters to simultaneously provide sensors Process data to PLC platforms, while also sending the sensors ISDU Service and Process data via Modbus TCP or OPC-UA upstream to IIoT/Industrie 4.0 Cloud solutions or SCADA systems.

Benefits of Comtrol's MultiLink:
- Provides simultaneous access to the PLC and HMI with OPC-UA or Modbus TCP support
- Works with Multiple PLC platforms
- Enables Enterprise Cloud solutions or SCADA systems for IIoT/Industrie 4.0 initiatives

CONTACT AND SUPPORT INFORMATION

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support
+1.763.957.6000
sales@comtrol.com

Technical Support
+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support
info@comtrol.com
ftp.comtrol.com
www.comtrol.com