

Balluff

BALLUFF



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About Us

Founded in 1921, Balluff has a tremendous amount of expertise in automation through sensor technologies. As experts in IO-Link communications and related sensors, Balluff is key to opening up market applications that require smart sensors that deliver data and diagnostics, combined with challenging environmental conditions.

e-F@ctory Solutions Provided

The Balluff and Mitsubishi Electric collaboration provides customers with a range of CC-Link and other protocol compatible IO-Link Master devices offering specialized industrial connectivity to sensors, RFID, machine vision and optical identification, safety products and accessories for your machine.

Complementary Products

All Programmable Controllers including MELSEC
iQ-R, iQ-F, Q / L / F / QS Safety / WS Safety Series

Core Technology

I/O Connectivity
Traceability
Sensors
Linear Transducers

Industries Served

Aerospace	Metals
Agriculture	Medical & Life Sciences
Automotive	Oil & Gas
Machine Tool	Packaging
Material Handling	Semiconductor
Marine	Tire

EXAMPLE PRODUCTS FROM BALLUFF

About IO-Link

IO-Link is a standardized communication protocol that enables bidirectional digital data exchange between sensors, actuators, and industrial control systems. Key benefits include seamless device replacement and parameterization without manual reconfiguration, reducing downtime and maintenance efforts. It standardizes wiring with simple three-wire connections, minimizing cabling complexity and costs while eliminating the need for analog signal scaling to provide precise raw sensor data.



IO-Link Masters and sensors offer significant benefits in harsh environmental operating conditions, enabling reliable performance in industrial settings with extreme temperatures, humidity, dust, vibrations, and shocks. These devices often feature robust housings with high IP ratings such as IP67, IP68, or IP69K, providing excellent protection against water, dust, and cleaning processes, while withstanding ambient temperatures up to 80°C or more.

Discover the Balluff Black, Silver, Washdown, and Safe Line product lines, which offer a particularly quick selection of their network components. These modules are available with a variety of protocols, including in some cases – CC-Link.

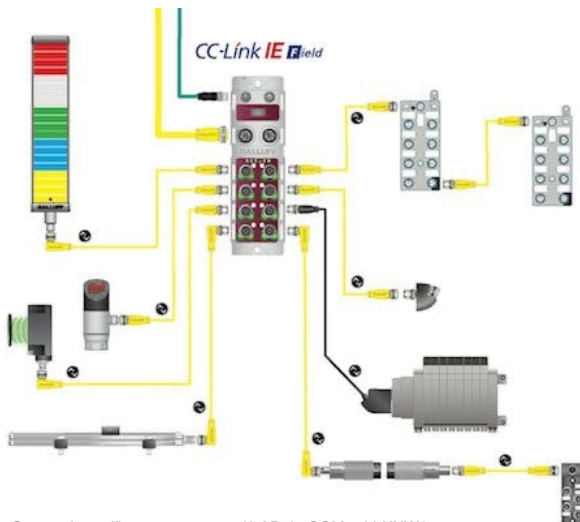


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For more information on Balluff products for Mitsubishi Electric, please visit their [website](#).

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