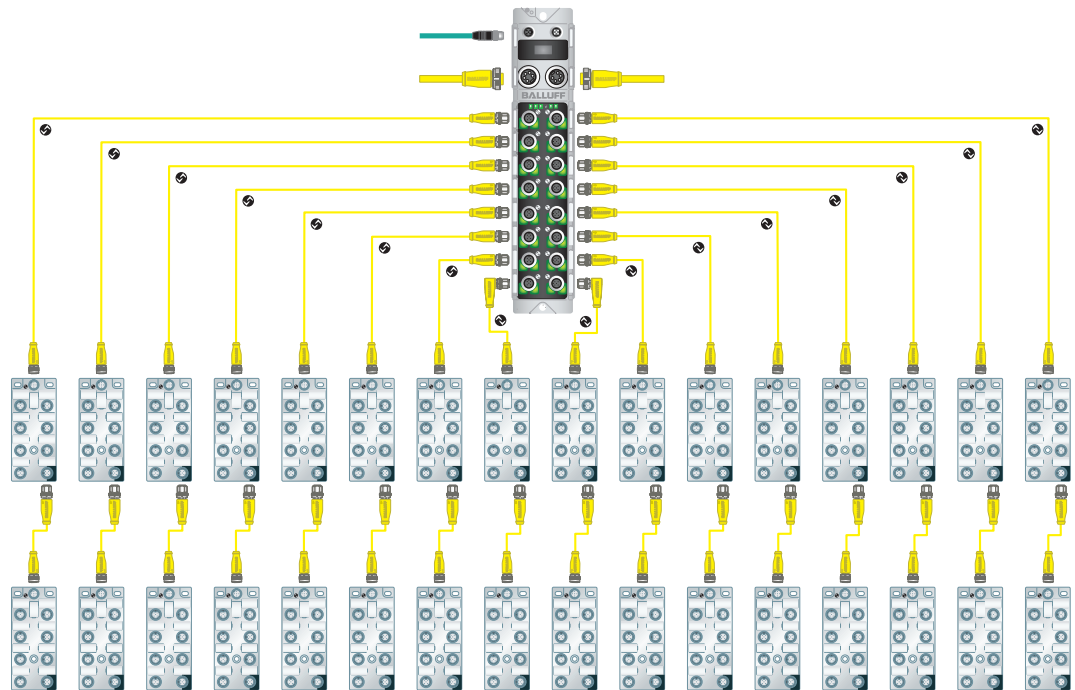# Product Update

BALLUFF
sensors worldwide

16 Port IO-Link Master with PROFINET
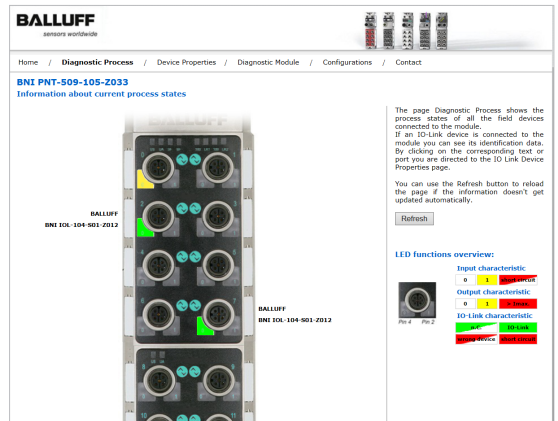### Scalable, distributed controls architecture for high I/O density applications

Balluff's new PROFINET powered 16 port IO-Link master is designed for scalability in your distributed architecture while providing ease of use for I/O and smart sensors alike.

The industry's first 16-port IO-Link master can host up to 480 configurable I/O on a single PROFINET node when combined with Balluff's expandable IO-Link hubs. Thus, enhancing the controls architecture to promote modularity today and built-in scalability for the future.

Each of the 16 ports on the device can be configured as a 2-channel standard I/O port or used as an IO-Link port to connect smart sensors from hundreds of IO-Link device suppliers. Or can also be used with Balluff I/O hubs to scale up the I/O counts. With IO-Link V1.1, this block offers added features such as up to 32bytes of data transfer per port and parameter server functionality for automatic re-configuration of sensors.

PROFI NET®

IO-Link

Sensor power with 7/8" 5-pin connector

PROFINET connection and built-in switch for daisy-chaining the next PROFINET device

Device Diagnostics LEDs:
- Network, power status
- Output overload

Integrated Display:
- Address setting
- Error display with color lights

16 IO-Link ports to connect variety of smart sensors and I/O hubs. Each port capable of 2A output.

Actuator power with 7/8" 5-pin connector

Large port status LEDs to provide connection status and short circuit indication

Integrated Webserver:
- Device configuration and network setting
- IO-Link device parameterization
- Debugging and Diagnostics

IP67 machine mount design with simple 2-hole mounting pattern

Order Code	Max. Input	Max. Output	Description
BNI007M	32	32	32 configurable I/O PNP or 16 IO-Link ports