

LioN-X 16DIO IO-Link Hub LC

IO-Link Hub without external power supply

PRODUCT BULLETIN 



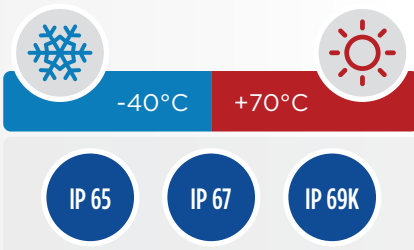
The Lumberg Automation LioN-X 16DIO IO-Link Hub LC enables cost-effective integration of digital sensors and actuators without an M12 L-coded cordset power connection, saving time, money and effort.

- **Power via IO-Link:** Eliminates need for external power supply, which shortens deployment time and reduces network complexity.
- **Flexible deployment:** 16 configurable channels (16DIO) that supply up to 350 mA per channel.
- **Robust metal zinc diecast housing:** Withstands harsh industrial environments, while keeping costs low.



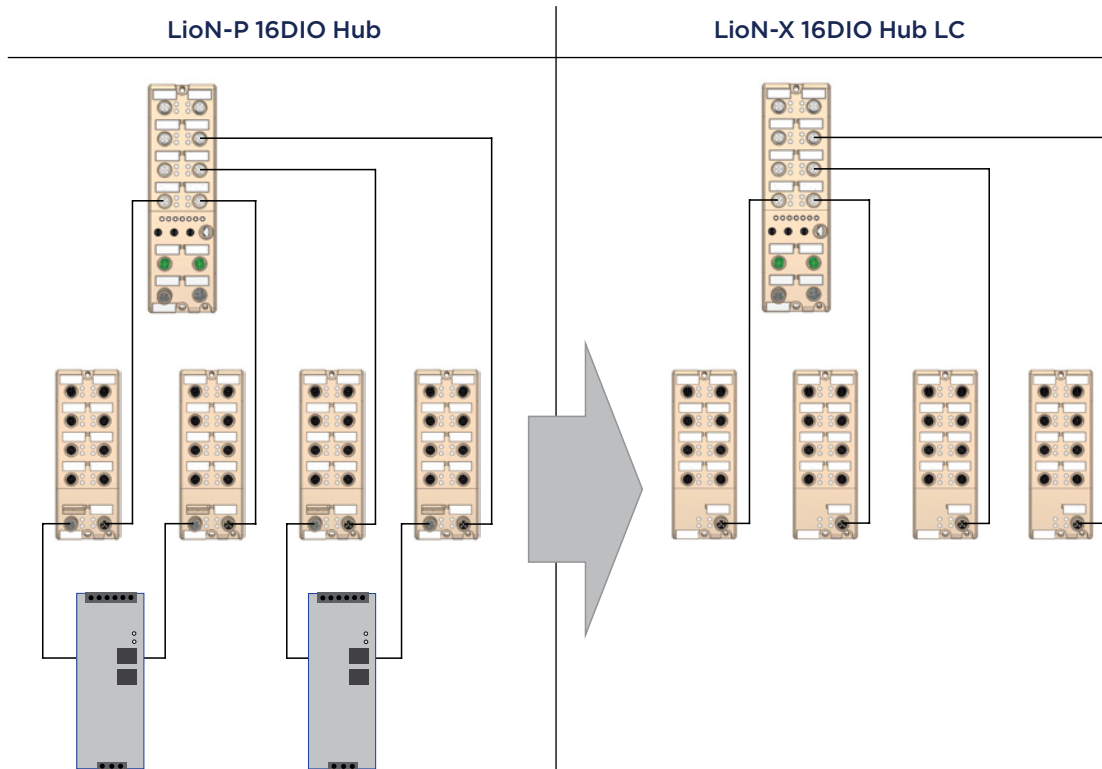
Key Features

- Eight ports and 16 channels configurable as standard digital input or digital output.
- Optimal utilization of the LioN-X IO-Link Master 4 amp (A) output current.
- Cost-effective design due to elimination of M12 L-coded cordset and power supply units.
- Extended temperature range of -40°C to +70°C.
- IP65-, IP67- and IP69K-rated for use in the most demanding settings.



The LioN-X 16DIO IO-Link Hub LC delivers enough current to suit many industrial applications and features a ruggedized housing to keep costs low without sacrificing durability.

Reduced Costs and Wiring Effort



Your Benefits

As networks scale up, enterprises need to mitigate complexity and contain costs. Designed to maximize performance and reliability at a reasonable price point, the Lumberg Automation LioN-X 16DIO IO-Link Hub LC offers 350 mA per channel – enough to power many industrial applications. Plus, connecting a LioN-X IO-Link Master can deliver 4A of power to this IO-Link Hub for distribution across its digital ports.

This IO-Link Hub is part of the LioN-X family, which provides a fast, reliable and secure solution for collecting, converting and transmitting critical data in automated production environments.



Applications

Protected inside a robust housing for durability and reliability, the Lumberg Automation LioN-X 16DIO IO-Link Hub meets the stringent demands of many manufacturing applications. The IO-Link Hub's advanced, cost-effective machine connectivity and data collection ensures fast and easy data transfer in complex operational technology (OT) networks. Additionally, the IO-Link Hub can withstand challenging conditions, including environments with wide temperature ranges and welding sparks.

Markets

With its rugged metal housing, the Lumberg Automation LioN-X 16DIO IO-Link Hub LC suits a wide range of industries, including automotive, consumer packaged goods, food and beverage, machine building, manufacturing, and material handling.



Technical Information LioN-X 16DIO IO-Link Hub LC

Product Description

Type	LioN-X 16DIO IO-Link Hub LC
Order Designation	0960 IOL 3816-001
Product Description	LioN-X, IO-Link I/O Hub, IO-Link, industrial metal housing, 60 mm, up to IP69K, 16 digital in-/output channels, 8 x M12 A-coded I/O connection, 5-poles, 1 x M12 A-coded IO-Link Class A connection, 5-poles

General Data

Housing	Metal, zinc die-cast, potted
Dimensions (W x H x D)	60 mm x 31 mm x 159 mm
Weight	ca. 280 g
Ambient Temperature	-40 °C to 70 °C (operation)
Protection Degree	IP65, IP67, IP69K
Shock/Vibration	50 g/15 g

Power Supply

Nominal Voltage	24 V DC (18 to 30 V DC)
Connection	1 x M12, A-coded, 5-poles
Module Supply Voltage	1L+ (US), Pin 1/3
Sensor Supply Voltage	1L+ (US), Pin 1/3
Actuator Supply Voltage	N/A
Current Consumption	typ. 80 mA (at 24 V DC)
Galvanically Isolated	No

IO-Link

IO-Link Specification	v1.1.3
COM Mode	COM 3
IO-Link Class	Class A
Data Storage	Supported

Digital Input Channels

Connection	8 x M12, A-coded, 5-poles
Digital Input Channels	max. 16, universal I/O
DI Channel Type	Type 3 acc. To IEC 61131-2, PNP
Nominal Input Current	typ. 5 mA
Sensor Current Supply	max. 500 mA per port max. 4 A per hub (with LioN-X Master)
Supplied by	1L+ (US)

Digital Output Channels

Connection	8 x M12, A-coded, 5-poles
Digital Output Channels	max. 16, universal I/O
DO Output Current	max. 350 mA per channel max. 4 A per hub (with LioN-X Master)
Supplied by	1L+ (US)
Galv. Isolated Outputs	N/A
Protective Circuit	Electronically: Overload protection, short-circuit protection