

# LioN-X LC

Low-current Digital I/O Modules

Product Bulletin



Make better connections with LioN-X LC. Get all the benefits of the proven LioN-X portfolio with reduced current on Pin 1 for improved efficiency. These are the first digital I/O modules launched under the Belden brand, marking a significant milestone in our industrial connectivity portfolio.

- **Versatile integration options** with five implemented Fieldbus protocols and four IIoT protocols.
- **Robust and sturdy metal housing** for demanding environmental conditions.
- **Innovative security features**, including ACHILLES certification and Syslog for collecting, storing and processing log messages.



## Key features

- MQTT, OPC UA, REST and CoAP onboard for IIoT readiness.
- Flexible integration into various PLC environments, including multiprotocol support: PROFINET®, EtherCAT, EtherNet/IP, Modbus TCP, CC-Link IE Field Basic.
- Available as 16DIO, 8DI/8DO and 16DI versions.
- 8DI/8DO available with or without galvanic isolation.
- Enables effortless integration of digital sensors and actuators, plus reduced current on Pin 1 for cost savings.
- Web server for easy configuration and device replacement.
- IP65, IP67 and IP69K standards for dust, water and welding spark protection.
- Extended temperature range of  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ .

### The LioN-X LC Digital I/O Modules

offer a wide range of integration options for complete connection solutions in both traditional PLC environments and modern edge and cloud applications.

## Your benefits

LioN-X LC Digital I/O Modules support flexible, efficient automation—ideal for small batch production and IIoT integration. With simplified I/O signal connections, output current of up to 2 A and support for major Fieldbuses and cloud protocols, these I/O modules are ready for secure, scalable networks to align industrial organizations' data infrastructure.

Certified by ACHILLES and featuring Syslog, these I/O modules meet today's cybersecurity demands. Reduced Pin 1 current helps lower system costs, making LioN-X LC a smart choice for performance and savings.

## Markets

Ideal for automotive manufacturing, warehousing and logistics, and consumer packaged goods (CPG) environments where reliability, efficiency and cost management are critical, LioN-X LC delivers full I/O performance in an optimized design.

Perfect for high-density control panels in automotive lines, fast-paced warehouse systems and flexible packaging setups, the LioN-X LC supports scalable, energy-conscious automation and performance while keeping costs in check.

## Applications

Built for most industrial applications, LioN-X LC Digital I/O Modules are resilient in harsh environments. These I/O modules simplify integration of digital sensors and actuators while offering flexible power options. For applications requiring electrical separation, LioN-X LC series includes two 8DI/8DO module versions—one with galvanic isolation between actuator and system/sensor supplies, and one without—to deliver exactly what each system demands.



## LioN-X LC Digital I/O Modules – An Overview

Type	LioN-X LC 16DIO	LioN-X LC 16DI	LioN-X LC 8DI/8DO with galvanic isolation	LioN-X LC 8DI/8DO without galvanic isolation
				
<b>Item description</b>	0980 XLC 3900-121-007D-01F	0980 XLC 3901-121-007D-01F	0980 XLC 3903-121-007D-01F	0980 XLC 3923-121-007D-01F
Part number	935715001	935716001	935717001	935718001
I/O-function	16 digital in-/output channels (universal I/O)	16 digital input channels	8 digital input and 8 digital output channels	8 digital input and 8 digital output channels
DI max. sensor current supply	500 mA	500 mA	500 mA	500 mA
DO max. current per channel	max. 2 A	-	max. 2A	max. 2A
Max. output current per module	max. 9 A	max. 9 A	max. 9 A	max. 9 A
Galvanic isolation	No	No	Yes	No
Voltage monitoring	Supply only	Supply only	Supply only	Supply only

## Accessories

Number		Item number	Type	Function
1		33268	ASBS 2 M12-5S 1-2 F	T-Splitter Sensor/Actuator M12 to M12
2		27764	ASBS 2 M12-5S F	T-Splitter Sensor/Actuator M12 to M12
3		30088	RST 5-RKT 5-228/5 M	Sensor/Actuator cable
4		934849076	RKT 5L-949/5 M	Sensor/Actuator cable
5		12121	0985 342 104/5 M	Ethernet cable



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