

L-IOB Device Selector

L-IOB I/O Modules & Controllers

L-IOB I/O Modules

The L-IOB I/O Module family of products consists of intelligent input/output devices featuring various I/O configurations. Based on LOYTEC's 32-bit L-CORE platform, the L-IOB I/O Modules provide first class performance for a wide area of applications.

Plug and play installation

The L-IOB I/O Modules can be used as I/O extensions for L-INX Automation Servers, L-ROC Room Controllers, L-IOB I/O Controllers. The connection is done via gold-plated contacts on the side (LIOB-Connect), twisted pair (LIOB-FT), or Ethernet/IP (LIOB-IP), depending on the L-IOB model.

LonMark Models

The LIOB-15x I/O Modules and LIOB-45x I/O Modules are LonMark certified I/O nodes which communicate in the LonMark system via network variables over TP/FT-10 or Ethernet/IP-852 respectively.

BACnet/IP Models

The LIOB-55x/56x I/O Modules adhere to the BACnet Building Controller Profile (B-BC) and communicate over Ethernet/IP in the BACnet/IP or BACnet/SC network. The I/O data points can either be exposed through BACnet server objects or actively fetched from a BACnet server via BACnet client maps on the L-IOB I/O Modules.

L-IOB I/O Modules			
LIOB-Connect	LonMark TP/FT-10	LonMark IP-852	BACnet/IP
LIOB-100 8 UI 2 DI 2 AO 9 DO	LIOB-150 8 UI 2 DI 2 AO 8 DO	LIOB-450 8 UI 2 DI 2 AO 8 DO	LIOB-550 8 UI 2 DI 2 AO 8 DO
LIOB-101 8 UI 16 DI	LIOB-151 8 UI 12 DI	LIOB-451 8 UI 12 DI	LIOB-551 8 UI 12 DI
LIOB-102 6 UI 6 AO 8 DO	LIOB-152 6 UI 6 AO 8 DO	LIOB-452 6 UI 6 AO 8 DO	LIOB-552 6 UI 6 AO 8 DO
LIOB-103 6 UI 6 AO 5 DO	LIOB-153 6 UI 6 AO 5 DO	LIOB-453 6 UI 6 AO 5 DO	LIOB-553 6 UI 6 AO 5 DO
LIOB-110 20 IO	LIOB-154 7 UI 4 AO 7 DO PRESS	LIOB-454 7 UI 4 AO 7 DO PRESS	LIOB-554 7 UI 4 AO 7 DO PRESS
LIOB-112 40 IO			LIOB-560 20 IO
LIOB-A2/A4/A5			LIOB-562 40 IO

L-IOB I/O Controllers

The L-IOB I/O Controller family of products consists of programmable controllers featuring various I/O configurations. Based on LOYTEC's new powerful A64 (64-bit architecture) quad-core CPU platform, the L-IOB I/O Controllers provide first class performance for a wide area of applications.

Programmable

The built-in PLC functionality makes the L-IOB I/O Controllers a good fit for various control applications in building automation. Like the L-INX Automation Servers, the L-IOB I/O Controllers can be programmed with L-STUDIO in IEC 61131 or IEC 61499. The same application libraries and application programs can be used on L-INX or L-IOB Controller devices. For details please check the L-STUDIO section in the [LOYTEC catalog](#). L-IOB I/O controllers also offer JavaScript programming in Node.js via an add-on license purchase.

LonMark

LIOB-585/586/587/588/589 and LIOB-59x communicate in the LonMark system via network variables over Ethernet/IP-852. They come with a freely configurable network variable interface and offer up to 256 address table entries.

BACnet/IP

The LIOB-58x/59x I/O Controllers adhere to the BACnet Building Controller Profile (B-BC) and communicate over Ethernet/IP in the BACnet/IP or BACnet/SC network. The I/O data points can either be exposed through BACnet server objects or actively fetched from a BACnet server via BACnet client maps on the L-IOB I/O Controllers.

L-IOB I/O Controllers – IEC 61131-3 / IEC 61499 programmable		
<p>BACnet/IP and LonMark IP-852</p> <p>LIOB-585 6 UI 2 AO 5 DO PRESS</p> <p>LIOB-586 6 UI 4 DI 6 DO</p> <p>LIOB-587 6 UI 4 DI 6 DO</p> <p>LIOB-588 10 UI 6 AO 8 DO</p> <p>LIOB-589 10 UI 6 DI 6 AO 4 DO</p>	<p>BACnet/IP and LonMark IP-852</p> <p>LIOB-590 20 IO</p> <p>LIOB-592 40 IO 12 O</p> <p>LIOB-593 16 IO 7 DO</p> <p>LIOB-594 8 IO 7 DO</p> <p>LIOB-595 8 IO 4 DO PRESS</p> <p>LIOB-596 8 IO 4 DO</p>	<p>BACnet/IP and DALI</p> <p>LIOB-591 Room Controller</p> <p>8 IO (U,I,R) 12 IO (U)</p> <p>U: 0-10V input or 0-10V output I: 4-20 mA input R: resistance measurement</p>

