



Remote I/O devices (UNITRONIC® ACCESS)

Efficient data collection in the field

Remote I/O devices capture the values and conditions of field devices such as sensors and actuators. This data is then transmitted to the higher-level control system. Remote I/O devices do not need to be installed in the immediate vicinity of the control system. They can be physically located elsewhere, typically close to the field devices that need to be controlled. This reduces the amount of cabling required between the sensors and actuators in the field and the control system. Depending on their protection rating, Remote I/O devices can also be used in very harsh environments.

The use of Remote I/O systems offers numerous advantages:

- **Flexibility:** Simplifies placement and adaptation.
- **Cost efficiency:** Reduces cabling and installation costs.
- **Reduced downtime:** Enables faster maintenance and higher availability.
- **Scalability:** Easily expandable when required.

Connection of office infrastructure with central switch cabinet
HITRONIC® Fibre optic cable

Ethernet switch
ETHERLINE® ACCESS Managed

Switch - switch connection

- Ethernet Cat.5e, Cat.6A
- With RJ45 plug connector

Ethernet switch
ETHERLINE® ACCESS Unmanaged

Connection end device - switch

- Ethernet Cat.5e, Cat.6A
- With a choice of RJ45, M12D or M12X connector

Remote I/O devices

- UNITRONIC® ACCESS Digital Module
- UNITRONIC® ACCESS IO-Link Master
- UNITRONIC® ACCESS IO-Link Hub

Sensor/actuator connections

UNITRONIC® Cordset

- M12A coded
- Pre-assembled sensor/actuator cable

Ethernet connections

ETHERLINE® Patchcords

- M12 D-coded
- Pre-assembled Ethernet cable

Energy supply

EPIC® POWER Cordset

- M12 L-coded
- Pre-assembled sensor/actuator cable



Learn more about Remote I/O:
<http://www.lapp.com/en/de/e/091301>

Digital Module			
381166718	UNITRONIC® ACCESS MP08DIO08DIO	Remote I/O device; Interfaces: 8xM 12; IP 67, IP 69K	
IO-Link Hub			
381166719	UNITRONIC® ACCESS IOL08DIO08DIO	Remote I/O device; Interfaces: 8xM 12	
IO-Link Master - Single Protocol			
381166712	UNITRONIC® ACCESS PN08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12; PROFINET; I/O Link	
381166713	UNITRONIC® ACCESS EIP08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12; ETHERNET/IP; I/O Link	
381166714	UNITRONIC® ACCESS EC08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12; EtherCAT; I/O Link	
381166715	UNITRONIC® ACCESS MTCP08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12; Modbus; I/O Link	
381166716	UNITRONIC® ACCESS CCL08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12; CC-Link IE; I/O Link	
IO-Link Master - Multi Protocol			
381166717	UNITRONIC® ACCESS MP08IOLA08DIO	Remote I/O device; Interfaces: 8xM 12	
ETHERLINE® ACCESS Managed			
21700140	ETHERLINE® ACCESS PNF04T	Managed switch; PROFINET CC-B; Interfaces: 4xRJ 45 (10 Mbit/s; 100 Mbit/s)	
21700126	ETHERLINE® ACCESS M08T-2GEN	Managed switch; Ethernet/IP, Modbus/TCP; Interfaces: 8xRJ 45 (10 Mbit/s; 100 Mbit/s)	
21700147	ETHERLINE® ACCESS PN08M12	Managed switch; PROFINET CC-B; Interfaces: 8xM 12 (10 Mbit/s; 100 Mbit/s)	
ETHERLINE® ACCESS Unmanaged			
21700123	ETHERLINE® ACCESS U05T-2GEN	Unmanaged switch; Ethernet; Interfaces: 5xRJ 45 (10 Mbit/s; 100 Mbit/s)	
21700129	ETHERLINE® ACCESS U08GT	Unmanaged Switch	
21700148	ETHERLINE® ACCESS U08M12		
ETHERLINE® Patchcords			
2171266	ETHERLINE® PN FD Cat.5 Patchcords	Pre-assembled Ethernet cable; Cable chain, Flexible; PROFINET, ETHERNET/IP, Ethernet; PRO-FINET application: Type C; Cat.5e; SF/UTP; 2x2; M 12 (D-coded), Plug, Straight (180 °); RJ 45, Plug, Straight (180 °); 2 m	
2170574	ETHERLINE® PN Cabinet Cat.6a Patchcords	Pre-assembled Ethernet cable; Flexible; ETHERNET/IP, EtherCAT; Cat.6A; S/FTP; Polyurethane; 4x2; RJ 45, Plug, Straight (180 °); RJ 45, Plug, Straight (180 °); 2 m	
2172382	ETHERLINE® FLEX Cat.6A Patchcords	Pre-assembled Ethernet cable; Flexible; ETHERNET/IP, EtherCAT; Cat.6A; S/FTP; Polyurethane; 4x2; M 12 (X-coded), Plug, Straight (180 °); RJ 45, Plug, Straight (180 °); 2 m	
UNITRONIC® Cordset			
22260306	UNITRONIC® SENSOR M 12-M 12	Pre-assembled sensor/actuator cable; Cable chain, Flexible; Polyurethane; 1x4; M 12 (A-coded), Plug, Angled (90 °); M 12 (A-coded), Socket, Straight (180 °); 1 m	
EPIC® POWER Cordset			
44424061	EPIC® POWER M12L-M12L	1 m	Pre-assembled sensor/actuator cable; Cable chain, Flexible; 1x4; M 12 power (L-coded), Socket, Straight; M 12 power (L-coded), Plug, Straight
44424064		3 m	
44424066		5 m	

Follow LAPP on:



You can find our terms of trade at
www.lapp.com/en/de/e/000010

To contact your local LAPP
representative, please visit
www.lapp.com/en/global

