Digitalisation is already leading to ever increasing data volumes in production halls. As a result, Ethernet, which has already become a standard in office environments, is also becoming increasingly important in industrial environments. The challenge for industrial data cables lies in reliably transferring ever higher data rates in harsh industrial environments. Benefit from our global product availability at 40+ sites and protocol-independent expert know-how.

As we incorporate products into our customers’ automation processes, we are constantly asked to supply innovative ideas to solve important future-oriented challenges. Therefore we offer our customers a wide array of components and system solutions for factory, building and process automation. Our data communication solutions include complete cabling and connectivity systems for integrated networking at the sensor/actuator and control level right through to the inventory management system.

**ETHERLINE® ACCESS SERIES - YOUR BENEFITS**

- 4 - 16 ports
- Robust and space-saving design for use in control cabinets
- Connections for copper and glass fibre cables
- Portfolio includes more than 20 products
- Cable, Connector, Patchcord and Switch - all from one source
- Products for all common protocol standards
**UNMANAGED SWITCHES**

- ETHERLINE® ACCESS U05T-2GEN
- ETHERLINE® ACCESS U08T-2GEN
- ETHERLINE® ACCESS U16T

**MANAGED SWITCHES**

- ETHERLINE® ACCESS Ethernet switches
  - Redundant power inputs
  - Robust metal housing
  - DIN rail mounting
  - Fanless
  - ETHERLINE® ACCESS M06T-2GEN
  - ETHERLINE® ACCESS M08T-2GEN
  - ETHERLINE® ACCESS M08T02SFP
  - ETHERLINE® ACCESS M08T02GSFP

**UNMANAGED SWITCHES**

- ETHERLINE® ACCESS U08GT
- ETHERLINE® ACCESS U04TP01T
MANAGED SWITCHES

• ETHERLINE® ACCESS NF04T - NAT/Firewall
• ETHERLINE® ACCESS PNF04T/PNF08T/PNF16T - PROFINET® switches

UNMANAGED SWITCHES

• ETHERLINE® ACCESS UF05T/UF08T/UF16T
ETHERLINE® ACCESS

Industrial network solutions for Smart Factories

Reliable functioning industrial network components from a single source. Industrial network solutions from LAPP contain data cables, connectors, accessories and industry compatible switches.

Improve your total costs of ownership (TCO) through fast commissioning and thus reduced downtime. Rely on LAPP’s renowned quality, high availability and comprehensive services.

General Features
• High availability - redundant power inputs
• High availability - ring redundancy
• Maintenance free - fanless
• Robust metal housing and DIN rail mounting

ETHERLINE® ACCESS M06T-2GEN/M08T-2GEN/M08T02SFP/M08T02GSFP

Features for managed switches
• Simple setup of redundant network-topologies with reconfiguration time < 20ms
• RJ45 ports: 10/100/1000 BaseT(X)
• Packet Buffer Size: 1 Mbit
• Redundant power input: 24 VDC
• Supported protocols: HTTP, Telnet, EtherNet/IP, Modbus/TCP, IPv6, and many more

• Temperature range: -40°C up to 75°C
• UL 61010
• Shock: IEC 60068-2-27
• Freefall: IEC 60068-2-32
• Vibration: IEC 60068-2-6

Benefits
• Most flexible and globally present solutions from one hand

<table>
<thead>
<tr>
<th>Article number</th>
<th>Designation</th>
<th>Type</th>
<th>RJ45 Ports</th>
<th>Features</th>
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ETHERLINE® ACCESS U05T-2GEN/U08T-2GEN/U16T/U04TP01T/U08GT

Features for unmanaged switches
• RJ45 ports: 10/100/1000 BaseT(X)
• Packet Buffer Size: 1 Mbit
• Broadcast storm protection
• Redundant power input: 24 VDC
• Temperature range: -10°C up to 60°C
• UL 61010
• Shock: IEC 60068-2-27

• Freefall: IEC60068-2-32
• Vibration: IEC 60068-2-6

Benefits
• Most flexible and globally present solutions from one hand

<table>
<thead>
<tr>
<th>Article number</th>
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Photographs and graphics are not to scale and do not represent detailed images of the respective products.
**ETHERLINE® ACCESS PNF04T/PNF08T/PNF16T**

### Features for PROFINET® switches in compact design
- PROFINET® switches with 4, 8 and 16 ports
- PROFINET® Conformance Class B
- Prioritization of PROFINET® telegramms
- Neighbourhood detection LLDP
- RJ45 ports: 10/100BaseT(X)
- Temperature range: -40°C up to 75°C
- Power supply: 18 – 30 VDC
- UL 61010

### Benefits
- Compact design with high port density
- Easy Configuration via web-interface
- Space saving and industrial grade DIN rail mounting

<table>
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**ETHERLINE® ACCESS NF04T**

### Features for NAT router with firewall function
- NAT (Basic NAT, NAPT) and port forwarding
- Integrated Firewall feature
- RJ45 ports: 10/100BaseT(X)
- Temperature range: -40°C up to 75°C
- Power supply: 18 – 30 VDC
- UL 61010

### Benefits
- Compact design with high port density
- Reduced installation effort in existing networks
- Easy Configuration via web-interface
- Space saving and industrial grade DIN rail mounting

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**ETHERLINE® ACCESS UF05T/UF08T/UF16T**

### Features for unmanaged switches in compact design
- Switches with 5, 8 and 16 ports
- RJ45 ports: 10/100BaseT(X)
- Temperature range: -25°C up to 60°C
- Power supply: 18 – 30 VDC
- UL 61010

### Benefits
- Compact design with high port density
- PROFINET® enabled device
- Space saving and industrial grade DIN rail mounting

<table>
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</table>

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