



Streamline Discrete Manufacturing Networks with Single Pair Ethernet Switch

Access the flexibility and scalability of Single Pair Ethernet with the BEETLE Lite Managed Switch

The BEETLE Single Pair Ethernet (SPE) Lite Managed Switch from Lumberg Automation allows discrete manufacturers to deploy lightweight, more compact SPE cables to save space inside walls, floors and robots.

- **Transmit Ethernet up to at least 1 kilometer.** Meets the 10BASE-T1L standard for long-distance Ethernet.
- **Save space.** Transmits Ethernet via a single cable pair that is lighter than Ethernet cables.
- **Reduce network complexity.** Integrate sensors and actuators directly into the network without an additional gateway.
- **Simplify configuration and maintenance.** Streamline installation and maintenance to reduce operation costs through fewer gateways and protocols.
- **Gain essential lite managed switch features.** Provides an optimized price-performance ratio.

Belden continues to expand its product portfolio to ensure that discrete manufacturers can access a future-proof, easy-to-use lite managed switches with valuable features, such as OPC UA support and Power over Data Line (PoDL) with an optimized price-performance ratio.

Benefits of a One Belden Solution

- Meets IEC 63171-6 connector standard
- Designed for the 10BASE-T1L standard
- Suited for industrial environments
- Seamless communication between devices
- Long-term cost savings



BEETLE SPE Lite Managed Switch for Discrete Manufacturing

Extend Ethernet transmission with reliable, cost-optimized BEETLE SPE Switch.

COST-OPTIMIZATION

Gain Exceptional Value

The BEETLE switch provides essential lite managed features, an optimized price-performance ratio and low long-term total cost of ownership.

RELIABILITY

Promote Operational Efficiency

With IP40 protection, M8 connectors and a temperature range of -10°C to +60°C, BEETLE meets the stringent operational demands of discrete manufacturing.

SPACE-SAVING

Deploy Light, Compact SPE Cables

Instead of relying on traditional Ethernet cables that can cause bottlenecks in automation environments, organizations can accelerate digitization and collect more data with SPE technology.

EXTENDED RANGE

Connect More Field Devices

Developed in accordance with the 10BASE-T1L standard, the BEETLE switch allows Ethernet transmission up to at least 1 km in length to connect sensors, actuators and other field devices.

Recommended Products



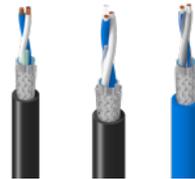
BEETLE Single Pair Ethernet Lite Managed Switch

With the BEETLE SPE Switch, industrial organizations can increase the scale of their operations, transmit data seamless from sensor to cloud, and achieve greater range, better device coverage and long-term savings.



LioN-H Single Pair Ethernet IO-Link Master

LioN-H features one power-port, one SPE standard 10BASE-T1L port and two IO-Link ports enabling intelligent communication between sensors and actuators in industrial environments.



DataTuff® Single Pair Ethernet Cables

Megabit and Gigabit SPE cable variants provide reliable, uninterrupted field-to-cloud connectivity, even in the harshest environments.



Single Pair Ethernet Connectors

Belden offers IP20-rated SPE cords and cordsets for clean-area connections and IP65/IP67-rated M8/M12 connectors for field device connections.

With essential managed switching features and PoDL, Belden's BEETLE switch empowers discrete manufacturers to attain advanced data rates and long-distance Ethernet transmission with an optimized price-performance ratio.



**Customer™
Innovation
Center**



Belden can help you transition to the latest discrete manufacturing technologies without completely replacing your legacy installation. The qualified experts at our [Customer Innovation Center](#) (CIC) design and develop innovative, customized solutions based on your individual requirements and business objectives.



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