



Complete connection solutions for smart factories

Flyer



Meet rising industrial standards and bandwidth needs

With IT and OT networks converging, smart factories need technologies and components for seamless transitions from legacy to high-performing, reliable and secure networks.

- »» **Future-proof your factory network** with solutions that can transition to higher bandwidths without major replacement costs.
- »» **Maximize network availability** with embedded security features, eliminating the need for additional firewalls.
- »» **Achieve IT/OT convergence** by prioritizing business-critical data with TSN and advanced industrial redundancy protocols.
- »» **Reduce installation costs** with IP40-rated devices that can be installed near harsh factory floor environments without needing a cabinet.

Be ready for increasing network bandwidth and security requirements, while ensuring 100% availability of business-critical data at all levels of your factory network.

“Belden’s smart factory product portfolio features future-proof, cost-effective network solutions. This includes the compact, full gigabit TSN BOBCAT switch, a next-generation managed switch for industrial networks”.

Benefits of Belden’s complete solution

- Seamless integration with legacy technologies
- Ad-hoc upgrades to higher bandwidth (up to 2.5 Gbit/s)
- Ready for the future with Time-Sensitive Networking (TSN) capabilities
- Lower total cost of ownership (TCO)
- Embedded security features to ensure availability
- Compact IP40 design for installation near factory floor, where protection against dust and small particles is needed



Belden’s complete networking solution for smart factories

Belden enables the connections that ensure seamless, secure, and cost-effective solutions for uninterrupted production processes.

Reliable

Maximum network uptime

Improve your network availability through modular and powerful networking devices and redundancy protocols. Prepare for precise and deterministic communication needs with TSN-ready solutions. Swap in redundant power supplies without network downtime.

Fast

High-speed data transfer

Filter and route large quantities of data to the right location at high uplink speeds. Ensure your network can support future bandwidth demands up to 2.5 and 10 Gigabits. Select high-speed, high-port count devices to connect a growing number of networked devices.

Secure

Protected data flow

Keep your OT data and network secure with real-time asset visibility and threat management. Take a comprehensive approach to security by leveraging out-of-the-box appliances built for industrial protocols, and devices with embedded security mechanisms.

Valuable

Purpose-built functionality

Stretch OT budgets further by investing in future-proof and multi-functional solutions. Get the powerful device features you need without paying for anything extra. Leverage smaller, more compact devices to save valuable space on the factory floor.

Belden’s proven product portfolio: perfectly suited for the evolving needs of smart factories



BOBCAT Next-Gen Managed Switches	GREYHOUND 1040 Gigabit Ethernet Switches	DRAGON MACH4x00 Backbone Switches	LioN-Power I/O Modules	Industrial HiVision Network Management Software	Provize Core
Compact and powerful switches with up to 24 ports and fast Ethernet speeds up to 2.5 Gbit/s.	High-performance, modular switches with up to 28 Gigabit ports and a 2.5 Gigabit fiber option.	An advanced architecture to transfer more IT/OT network data at speeds up to 10 Gbit/s.	Highly customizable, multiprotocol digital I/O modules for fieldbus-independent automation.	Automatic device identification, configuration and monitoring for resilient network operation.	Intuitive provisioning and supervision software for all Belden network products.



Belden can help you transition to the latest factory automation 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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