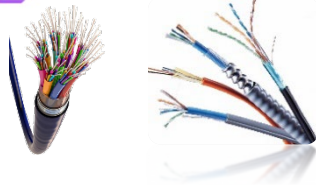


Industrial IT/OT Line Card



Digital transformation brings the power of automation and data analytics to all markets. Be it manufacturing, process, power/utility, ITS/traffic, infrastructure or railway, Belden can handle all your mission-critical communication needs, ensuring the highest network availability. We provide solutions that combine our industry-leading brands with our industry-centric engineers, providing a one-stop shop for your networking communications and edge-computing needs. Our customers demand seamless connectivity and data security. Belden's offering provides everything needed to exceed these expectations.



Industrial cabling solutions

- Industrial Ethernet networking cable and patch cords
- Hardened multimode and singlemode fiber cable and patch cords
- Industrial serial and fieldbus (DeviceNet, Profibus, etc.) cables
- Ruggedized instrumentation and variable frequency drive (VFD) cables
- High-flex, armored, and LSZH/NFPA 130 cable options



Hardened Ethernet switches, firewalls, WLAN devices, and edge-computing devices with cloud environment

- Multiple form-factors – DIN rail, 19" rack-mount, IP67/EN50155
- Countless copper/fiber configurations, w/ speeds up to 10 Gigabit
- Designed for high availability (high MTBF, low MTTR)
- Latest security features (ACLs, MACsec, DoS prevention, etc.)
- IEEE 802.11 a/b/g/n/ac and cellular-based networking solutions
- Edge-computing devices that connect with Belden Horizon
- Extensive accessories and complementary hardware



MPLS-TP / Ethernet for high availability & guaranteed bandwidth

- MPLS-TP nodes w/ up to 100 Gbps links and 720 Gbps fabric
- Supports Ethernet, T1, E1, C37.94, RS232/422/485, circuit emulation (syn/asyn), 2/4-wire voice, CODIR, and more
- Redundancy, data path, and complete bandwidth control by service
- Excellent transition technology for SDH/SONET users



Enterprise-grade Ethernet switches and routers with IP-MPLS

- Access/aggregation and core networking for L2 and L3
- Stackable, modular, redundant, and scalable solutions
- Speeds ranging from 1-, 10-, 40- and 100 Gigabit
- High copper, PoE/PoE+, and fiber densities
- Support for OSPF, BGP, SIS and core MPBGP/MPLS routing protocol

NET MODULE



Cellular and wireless Ethernet routers

- Single/multi-radio devices for on-vehicle and industrial uses
- Variants with 4G, 5G, LTE, 802.11 a/b/g/n/ac WiFi 5 and 6 WLAN
- Extensive feature options – RJ45 or M12 X-code Ethernet ports, PoE, digital I/O, serial, GNSS/GPS, internal storage up to 1TB
- Connectivity Suite for larger-scale deployment and management
- SDK, LXC Virtualization, or other Linux reference distributions



Industrial protocol gateways, wireless, and secure remote access

- Gateways to convert one Ethernet or serial-based automation protocol to another (stand-alone or as a slide-in cards for PLCs)
- IEEE 802.11 a/b/g/n/ac and cellular-based networking solutions
- Secure remote access solutions via LAN or cellular-based VPN



Rugged/IP67 signal and power connectivity and I/O for automation

- M8, M12, 7/8" Mini, M23, DIN EN 175301-803 A/B/C solenoid
- Various pin densities, voltage, and amperage ratings
- Straight or right-angle, over-molded or field-installable
- Passive or active automation-centric I/O modules incl. IO-Link, EtherNet/IP, Profinet, EtherCAT, ModbusTCP
- ProfiSafe and CIP Safety certified
- Integrated OPC UA, MQTT, REST, CoAP for today's IIoT



Zero Trust Network Access Control (NAC) cybersecurity software

- Network asset discovery/inventory, graphical reporting, topology
- Provides full vendor-agnostic control over all network devices for segmentation and isolation of unidentified connections or compromised systems (disable port, assign to Guest VLAN, etc.)
- Third-party integrations using the open REST API for Asset Management, CMDB and other solutions



Seamlessly connects sensor data to cloud services in one step

- Hardware or Docker app can read sensor data using OPC UA, IO-Link, and ModbusTCP, connecting data to AWS, Microsoft Azure, MQTT, SAP, etc.
- Quad-code Intel or ARM processors with up to 8 Gig RAM and 256 Gig SSD

Consultation • Design • POC • FAT/SAT • Commissioning • Training • Maintenance