Industry-specific solutions that can improve productivity and operational efficiency today, while laying the foundations for tomorrow’s IIoT opportunities.
Ethernet Products at a Glance

**Unmanaged DIN Rail Mount Switches**

**SPIDER, SPIDER II, SPIDER III**

Cost-effective, plug & play unmanaged switches
- SPIDER 2, 3, 5 or 8 ports
- SPIDER 2 or 5 ports with PoE PD
- SPIDER PoE Injector
- SPIDER II 8, 9, 10, 16 and 18 ports
- SPIDER II PoE 4 PoE and 4 standard ports
- SPIDER II GIGA 5 or 7 ports, all Gigabit
- SPIDER III Standard Line up to 8 ports
- SPIDER III Premium Line up to 9 ports

**RS20, RS30**

Feature-rich unmanaged switches with selectable port types, features and approvals
- RS20 4, 8, 9, 16, 17, 24 or 25 ports
- RS30 10, 18, or 26 ports, two of which are Gigabit

**Managed DIN Rail Mount Switches**

**GECKO**

Lite managed switch
- GECKO 4TX 4 ports
- GECKO 5TX 5 ports

**RSB20**

Fast Ethernet RSB switches with basic software version
- RSB20 8 or 9 ports

**RS20, RS30, RS40, RS22, RS32**

Fully configurable managed switches with selectable features and approvals
- RS20 4, 8, 9, 16, 17, 24 or 25 ports
- RS30 10, 18, or 26 ports, two of which are Gigabit
- RS40 9 ports, all Gigabit
- RS22 4, 8, 9, 16, 17, 24 or 25 ports, four of which are PoE
- RS32 10, 18, or 26 ports, four of which are PoE and two are Gigabit

**MS20, MS30, MSP30, MSP32, MSP40, MSP42**

Full Gigabit managed modular switches with selectable features and approvals as well as user hot-swappable media modules for almost limitless copper/fiber combinations.
- MS20/30 up to 26 ports, two of which can be Gigabit
- MSP30/32 HiOS advanced Layer 2 and Layer 3 switch, up to 28 ports, four of which can be Gigabit
- MSP40/42 HiOS advanced Layer 2 and Layer 3 switch, up to 28 Gigabit ports, four of which on the first slot can be 2.5 Gigabit

**RED25**

Cost-effective Fast Ethernet redundancy entry-level switches supporting PRP, HSR or DLR. Offered in two, four-port versions:
- Four FE TX ports
- Two FE TX ports, plus two small form-factor pluggable (SFP) ports

**RSP Series**

Hardened managed switches with the new HiOS operating system
- RSP: uninterrupted redundancy thanks to PRP, HSR and DLR, on all ports IEEE 1588v2 time synchronization, comprehensive security functions, variants with 3 GE SFP and 8 FE ports, up to 7 FE SFP slots, Layer 2 and Layer 3 versions
- RSPS: optional PRP, HSR and DLR, on all ports IEEE 1588v2 time synchronization, variants with 6 FE ports, up to 4 FE SFP slots
- RSPL: comprehensive security functions, variants with 2 GE combo and 8 FE ports, up to 4 FE SFP slots
- RSPE: best-possible investment protection thanks to the maximum flexibility provided by the media modules, Layer 2 and Layer 3 versions

**RSR20, RSR30**

Ultra-hardened switches, operating temperature -40°C to +85°C, DC or AC power input
- RSR20: 8 or 9 ports
- RSR30: 9 or 10 ports, two or three of which are Gigabit

**IP67 Waterproof Switches**

**OCTOPUS**

- OCTOPUS 5TX unmanaged, 5 ports, M12 D-code
- OCTOPUS 8TX-EEC unmanaged configurable, 8 ports, M12 D-code
- OCTOPUS 8TX-PoE-EEC unmanaged configurable, 8 ports, M12 D-code
- OCTOPUS 8M/16M/24M managed, 8, 16 and 24 ports, M12 D-code
- OCTOPUS 8M-6PoE and 8M-8PoE managed, 8 ports, M12 D-code, 6 and 8 of which are PoE
- OCTOPUS 16M-8PoE and 24M-8PoE managed, 16 and 24 ports, M12 D-code, 8 of which are PoE
- OCTOPUS OS2x/3x: IP65/67; from 8 up to 28 ports; M12 D-code; several options available: multi- or singlemode fiber ports, Power over Ethernet with up to 15 PoE/PoE+ ports, 2 or 4 GE ports M12 X-code, managed or unmanaged types, Layer 3 software support, power supply options from 24 to 110 V DC and 100 to 230 V AC, certified for trains, ships and for use in road vehicles.

**19" Rack Mount Switches**

**MACH100**

Hardened Enterprise-grade switches
- MACH102-8TP modular switch, up to 26 ports, 10 fixed ports, two of which are Gigabit (modules available for MM/SM fiber, RJ45, PoE/PoE+ and SFP)
- MACH102-8TP-F 10 fixed ports, two of which are Gigabit
- MACH102-24TF-8 26 fixed ports, two of which are Gigabit
- MACH104 – All Gigabit, 4 RJ45/SFP combo ports and 20 RJ45 ports (4 of which can be PoE)
- MACH104 – All Gigabit, 4 RJ45/SFP combo ports, 16 RJ45 PoE+ ports (optional with 2 XFP 10G uplink ports)
GREYHOUND

Fast/Gigabit Ethernet switch designed for use in harsh industrial environments.
- From entry level types with 16 Fast Ethernet up to 28 ports Full Gigabit Layer 3 versions
- Field exchangeable media modules
- Versions with hot swap power supplies
- 2.5 Gigabit uplink and full wire speed Layer 3 options

MACH1000

Ultra-hardened switches, fully configurable, operating temperature -40°C to +85°C, optionally for all variants 4 PoE ports
- MAR1020, up to 24 ports
- MAR1030, up to 28 ports, up to four of which are Gigabit
- MAR1120, up to 20 ports on rear of switch
- MAR1130, up to 24 ports on rear of switch, up to four of which are Gigabit
- MAR1040, 16 Gigabit RJ45/SFP combo ports, in Layer 2 or Layer 3 version

MACH4000

High density and high speed backbone switch w/Layer 3/routing and speeds up to 10 Gigabit
- MACH4002-24G up to 24 Gigabit ports
- MACH4002-24G+3X, up to 24 Gigabit ports and three 10 Gigabit XFP ports
- MACH4002-48G up to 48 Gigabit ports
- MACH4002-48G+3X up to 48 Gigabit ports and three 10 Gigabit XFP ports

Embedded Ethernet

Switches
- EES Embedded Ethernet Switches EES20/EES25 and EESX20 and EESX30
- EES Development Kit

EAGLE/Tofino Xenon

Network segmentation, VPN and deep packet inspection.
- Tofino Xenon: Industrial firewall with Stateful Packet Inspection (SPI) and optional Deep Packet Inspection (DPI) for bridged communication.
- EAGLE20-0400 and EAGLE30-0402: Multi-port Stateful Packet Inspection (SPI) firewalls optional Deep Packet Inspection (DPI) in convection-cooled metal DIN Rail housings which support 6 LAN ports – two of which are Gigabit and two SHDSL ports
- EAGLE One: Industrial firewall providing Stateful Packet Inspection (SPI) for bridged or routed communication combined with a unique Firewall Learning Mode and comprehensive Network Address Translation (NAT) techniques.

BAT Access Points/Clients

- OpenBAT family - BAT-R and BAT-F - rugged configurable wireless LAN access points and/or clients
- BAT450-F rugged compact and lightweight configurable wireless LAN access points and/or clients
- BAT867-R configurable wireless LAN access point and/or client featuring IEEE 802.11ac
- BAT Controller WLC for centralized management of large WLAN networks
- BAT-C Wireless LAN access client
- Extensive antenna and accessory offering

Industrial Wireless LAN

IOLAN DS/SDS

End devices with a serial interface can be easily and reliably connected to Ethernet networks.

Secure Remote Access Solution

A simple and secure way to provide remote network access and diagnostics through a three-component system:
- GateManager
- SiteManager
- LinkManager

Network Management Software

Industrial HiVision

Network visualization and configuration software with integrated OPC server.
- Automatic topology dectection
- MultiConfig™ for simultaneous configuration of multiple devices
- Security Status Visualization
- Network dashboard
- Annual Maintenance Plan

Industrial Ethernet Media Cord Sets

Ethernet Cord Sets
Hardened pre-terminated and factory tested cordsets
- RJ45-RJ45, RJ45-M12, M12-M12
- Unshielded and Shielded Versions
- PVC, TPE and TPE High-Flex Cat 5e UTP
- 17 lengths - from 0.3 to 50 meters
- M12 bulkhead termination also available
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Hollow markers indicate that a non-standard/accessory mounting option is available.

* only 110 V DC

Note: To advance to the appropriate product configurator, click on the product family name (first column) in the table above.

For Hirschmann and GarrettCom sales support, please call +1 855-400-9071 or email inetsalesops@belden.com. Please forward purchase orders or amendments to inetsalesops@belden.com. For technical support, please call +1 213-799-0906 or contact inet-support.us@belden.com - Alternatively, please refer to our website, www.belden.com, for further assistance.