

Ethernet solutions that extend your industrial network to the edge.



B+B SMARTWORX

Powered by

ADVANTECH

Intelligence at the Network Edge



AN EXPANDING RANGE OF ETHERNET DATA COMMUNICATIONS SOLUTIONS FROM ADVANTECH B+B SMARTWORX

Advantech B+B SmartWorx has been expanding and reinforcing its reputation as a global source for best-in-class rugged, reliable Ethernet-based connectivity and communications solutions for close to three decades. Today, whether you need to transfer data a few meters or a few miles, connect legacy hardware to your facility's Ethernet backbone, or set up an industrial Ethernet network, Advantech B+B SmartWorx has the hardware solutions you need. Just as important, we back all of them up with world-class technical support that's available online, on the phone and in the field. Our Tech Support department is staffed with experts dedicated to helping you re-envision, re-scope, and re-structure your Ethernet communication networks – or just support the network you already have in place. With more than 40 distributors in 60 different countries, we can ensure fast, comprehensive and local customer service and support.

Advantech B+B SmartWorx' Ethernet experts can help you extend your data connections throughout your facility. Our technical support team can help you select the most appropriate solution for your application. Ethernet's speed, cost, reliability and versatility has long made it the world's most widely deployed data network platform. That's why it's also become equally popular in demanding industrial applications. Advantech B+B SmartWorx Ethernet serial device servers, switches, media converters, extenders and accessories make it easy to communicate with a broad range of industrial equipment via your facility's Ethernet backbone.

Monitored & Managed Switches SE300 series & SE500 series



INDUSTRIAL UNMANAGED, MONITORED & MANAGED SWITCHES

Advantech B+B SmartWorx' broad line of Ethernet switches let you subdivide and separate your network efficiently, improving communications quality and speed by reducing errors and limiting traffic.

ESW100 Series

- Ultra compact 5 and 8 port unmanaged, less than 1" thick
- Industrial DIN mount design for rugged applications
- Multi-mode and single-mode, LC fiber ports optional
- DIN and panel mount capable

ESW200 Series

- Industrial 5 and 8 port unmanaged Ethernet switches
- Wide temperature options
- Class 1/Division 2 options
- Multi-mode and single-mode ST or SC fiber options
- 12 to 36VDC and 24VAC capable

EIR400 Series

- Industrial unmanaged Gigabit Ethernet switches
- 5 to 18 ports designs
- Fiber options via SFP modules
- Wide temperature options
- DIN and panel mount options

SE300 Series

- Built-in Modbus & SNMP - remotel network monitoring
- Lite management for small scale/edge networks needing remote data collection, diagnostics, real time data acquisition
- IEEE802.3az - Energy Efficient Ethernet
- Wide temperature range (-40° to 75°)
- UL C1D2, ATEX Zone 2 (pending), IECEx (pending)
- GB & PoE options

SE500 Series

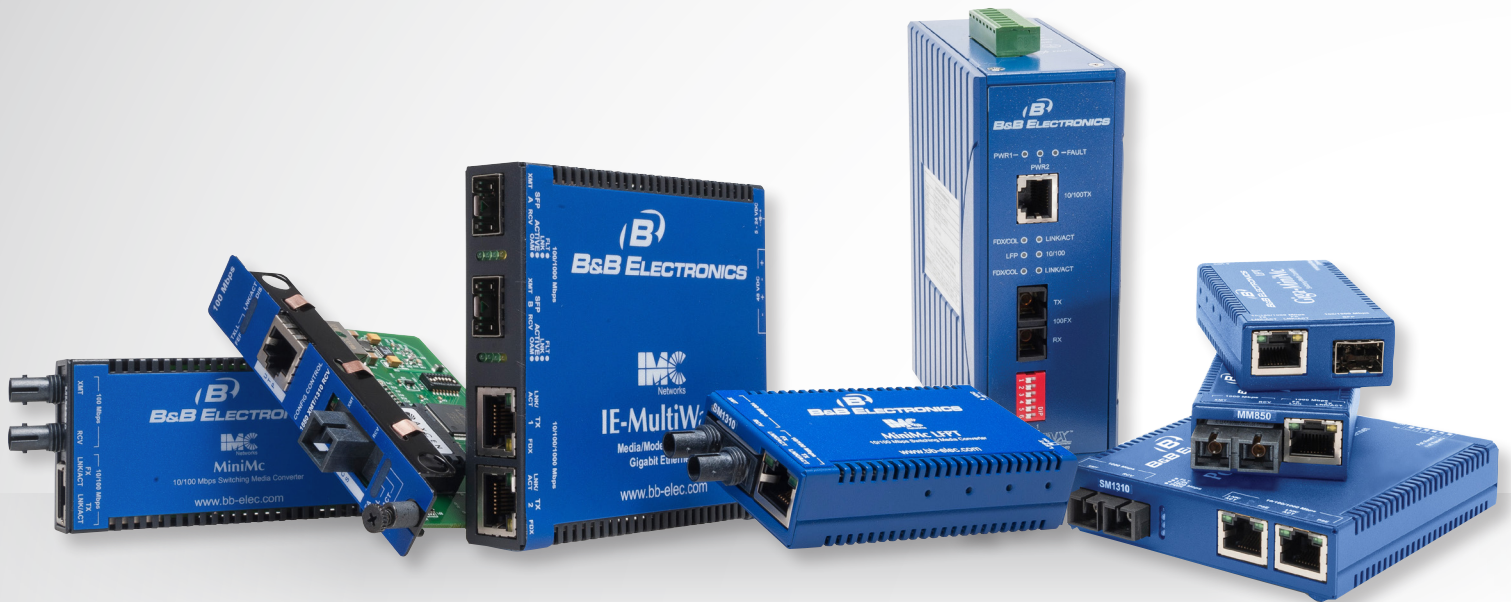
- Advanced management - IXM deployment
- Comprehensive diagnostics
- Wide temperature (-40° to 75°)
- IEEE 802.3az - Energy Efficient Ethernet
- UL508, ATEX Zone 2 (pending), IECEx (pending), C1D2, NEMA TS2, EN50121, DVN, IEEE61850-3, IEEE1613
- GB & PoE options

EIRP300 Series

- Rugged PoE unmanaged Ethernet switches
- Options for both 15.4W and 25W PoE
- Class 1/Division 2 options
- Wide temperature options
- DIN and panel mount options

ESW500 Series

- Managed 6 to 16 port Ethernet switches
- Industrial DIN or panel mount designs
- 12 to 36VDC or 24VAC power inputs
- Multi-mode or single-mode fiber optic options
- Gigabit & 19-inch rack mount options available



ETHERNET MEDIA CONVERTERS

Ethernet Unmanaged Media Converters

Ethernet media converters allow two Ethernet devices with different physical media to communicate with each other, such as converting a copper Ethernet connection to fiber optic media.

Ethernet Managed Media Converters

Managed Ethernet media converters allow SNMP management to configure, monitor, set traps, levels of permission and other options, to obtain the status of a device or module in mission-critical networks.

EIS Series

- Desktop or wall mount media converters
- Multi-mode and single-mode fiber
- Gigabit fiber options
- 19-inch rack option

EIR Series

- Industrial rugged design
- DIN, panel or rack mount options
- NEMA TS2 rated for traffic applications
- Class 1/Division 2 for oil and gas industries
- Multi-mode and single-mode fiber options



ETHERNET SERIAL DEVICE SERVERS

Connect legacy serial-equipped machines to your Ethernet LAN or WAN easily with Ethernet serial device servers.

VESP211 Series

- Mini, compact design that fits just about anywhere
- Wide temperature, heavy industrial design for panel mount applications
- DIN mount optional
- 1 port series supports RS-232 only, RS-422/485 only or RS-232/422/485 all in one

VESR900 Series

- Rugged DIN mount design
- Wide temperature industrial design
- Class 1/Division 2 rated for oil and gas industries
- NEMA TS2 rated for traffic applications
- 1 and 2 port serial designs include support for RS-232/422/485
- Two Ethernet port options for easy installation
- Multi-mode and single-mode fiber port options for long run or high noise applications

VESR400 Series

- Wide temperature, heavy industrial design built for rugged applications
- 4 independent serial ports supporting RS-232/422/485
- DIN or panel mount design
- Two Ethernet port options
- Fiber optic port options for Ethernet connectivity

xSE-100 Series

- 1 to 8 serial ports, RS-232 only, RS-422/485 only and RS-232/422/485 all in one
- Optional surge protection
- 1 and 2 port designs with Wi-Fi capability
- Two Ethernet port options
- Optional 5V out on serial port



ETHERNET EXTENDERS

Extend your Ethernet network communications far beyond the 100-meter distance limitation of 10BASE-T and 100BASE-T Ethernet.

EIS Series

- Desktop or wall mount Ethernet extenders
- Copper (1900m) and coaxial (2600m) options
- 19-inch rack options
- 1 Ethernet port

EIR Series

- Industrial wide temperature, DIN and panel mount design
- Copper (1900m) and coaxial (2600m) options
- Class 1/Division 2
- 1, 2, 4 and 8 Ethernet port options
- Managed Ethernet options
- PoE port options

EIDM Series

- Two Ethernet port options
- 19-inch rack options



PROTOCOL CONVERTERS

Vlinx Gateways combine a powerful protocol converter, a data logger, and a virtual HMI and Ethernet gateway, all in one economical package.

MESR Series

- Modbus/TCP, Modbus ASCII, Modbus RTU support
- Rugged wide temperature
- DIN mount design
- Class 1/Division 2 rated for oil and gas industries
- NEMA TS2 rated for traffic applications
- 1 and 2 port serial designs include support for RS-232/422/485
- Two Ethernet port options for easy installation
- Multi-mode and single-mode fiber port options for long run or high noise applications

VFG Series

- Protocol converter for Modbus, BACnet, Devicenet, Ethernet/IP, Profibus, CANOpen and more
- Industrial DIN mount design
- Class 1/Division 2
- Logging function available



REMOTE NETWORK MANAGEMENT

Wi-Fi, cellular, or RF wireless options to manage remote systems more efficiently by allowing operation, system, installation, recovery, BIOS updating, and target device backup, all from an offsite location.

- Long range wireless bridges
- Access points
- Routers



ETHERNET PRODUCTS BACKED UP BY ETHERNET COMMUNICATIONS EXPERTISE

Our factory Tech Support team has field-proven experience in Ethernet applications, connectivity solutions, network design and product installation. Advantech B+B SmartWorx engineers don't just troubleshoot problems after the fact — they can actually prevent and anticipate system design and integration problems before you ever make a purchase. Whether you have a simple application question, a complex project installation, or an outside-the-box problem, our technical support team is standing by to provide assistance.

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