



Solutions for process automation

<p>HART</p>  <p>HART COMMUNICATION PROTOCOL</p>	<ul style="list-style-type: none"> • HART multiplexer/gateway • HART USB modem 	<ul style="list-style-type: none"> • Access the diagnostic data of your HART instruments via Ethernet • One HART master per channel for faster polling than traditional serial mux • HART over wireless can be achieved by integrating our mux with a WLAN Ethernet radio • Applications for both retrofit and new builds incorporate HART information into your plant asset management system
<p>Signal isolation</p> 	<ul style="list-style-type: none"> • Analog signal converters • Analog loop isolators • Analog set point modules • Intrinsic safety barriers 	<ul style="list-style-type: none"> • Slim, modern, modular, analog signal conditioners • Signal conditioning/filtering maintains signal integrity • Isolate active loops and power passive loops • Modules available for temperature conversion and limit relays • Modules available for hazardous locations and safety (SIL) applications • Modules available with CID2, ATEX, IECEx, and GL approvals
<p>Signal protection</p> 	<ul style="list-style-type: none"> • Power and data protection • Data protectors with status LEDs • Hot swappable and pluggable • State-of-the-art products • Warranty enhancements • True CAT 6A POE+ protection 	<ul style="list-style-type: none"> • Protection of critical equipment • Increased uptime • Three-stage local and remote functional status indication • Easy installation and replacement • Tested and certified to UL and EN/IEC standards • Robust and reliable protection for high bandwidth signal applications
<p>Digital fieldbus</p>  <p>ethernet-apl™ advanced physical layer</p>	<ul style="list-style-type: none"> • Ethernet-APL • PROFINET • PROFIBUS PA 	<ul style="list-style-type: none"> • Ethernet to the field • 10 Mbit/s speed • Intrinsically safe spurs for APL field devices • PROFIBUS-PA proxy • 200-meter spurs
<p>Networking and communication</p> 	<ul style="list-style-type: none"> • 900 MHz I/O • WLAN radios • Cellular modems • Ethernet switches • Security routers and firewalls • I/O systems 	<ul style="list-style-type: none"> • Long-distance, high-performance, easy wire replacement for I/O • High-bandwidth 200 mW WiFi - wireless communication on both 2.4 and 5 GHz • Wide array of connectivity networking options • Communicate with your systems worldwide with a secure VPN connection and free cloud service • Fast and cost-effective I/O options in IP20 and IP67 suitable for potentially explosive areas

