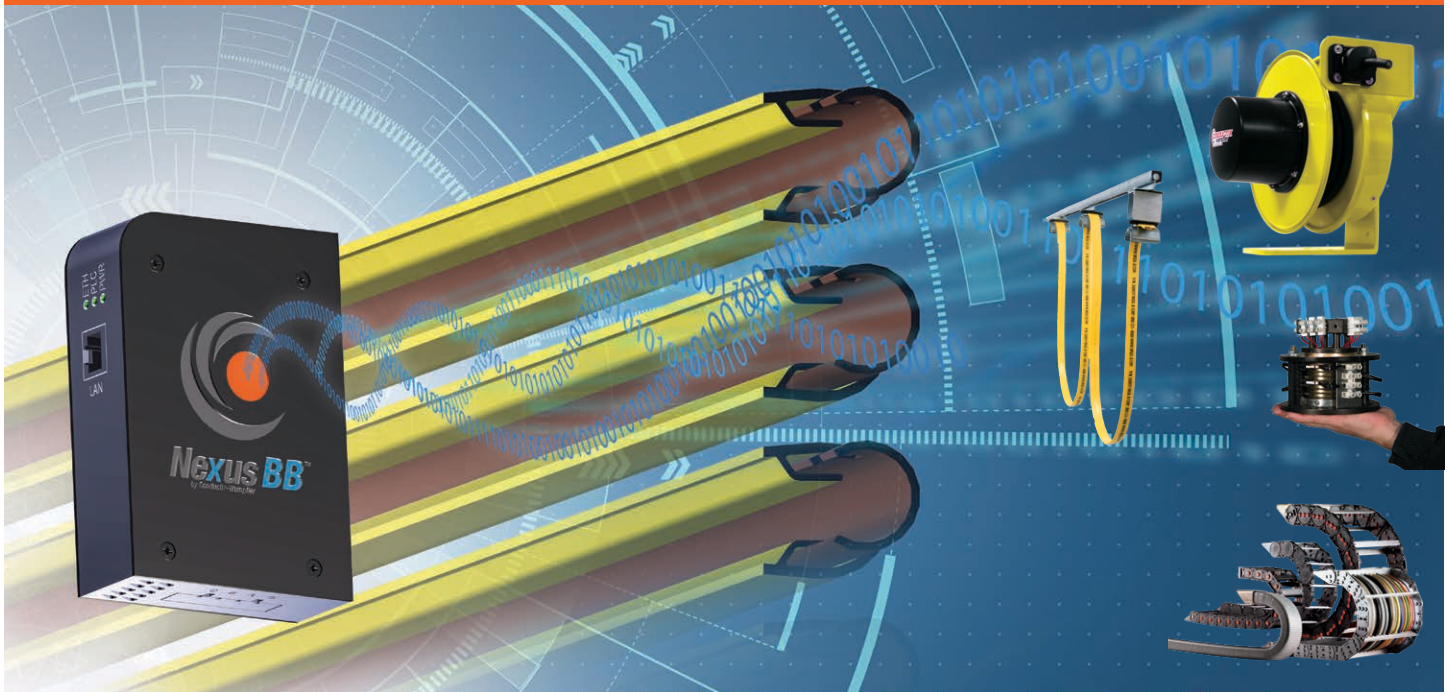




- Virtual Ethernet cable • Reliable hard-wired connection • Works across conductor lines •



General System Functions

Nexus BB is a brand new data over power solution for industrial applications, and works across many different conductor profiles including; festoon, cable chain, slip ring, conductor rail, and cable reels. **Nexus BB** turns the conductor into secured hardwired connection providing ultimate reliability by utilizing either two or three poles depending on the system configuration.

Nexus BB can be used on new and existing systems to add a secure data communication layer, and does not require any networking expertise or special equipment. **Nexus BB** can eliminate WiFi for mobile equipment communication, with the same minimal maintenance as a WiFi solution. The innovative design adapts to noisy environments for dependable performance. **Nexus BB** plug and play solution allows for modernization to existing installations, with minimal downtime. Our data over power solution is a contained signal which provides ultimate security through signal isolation.

Features and Benefits

- Voltage: 24-48 VDC, 150-300 VDC, 120-600 VAC
- Bandwidth: 350 Mbit/s MIMO
175 Mbit/s SISO
- Protocols: PROFINET, Ethernet/IP, TCP/IP, UDP, Video
- Length: 400 m+
- Operating Temperature: -40C° +70C°
- # of Vehicles: 7
- Maximum Speed: 10 m/s

Application Examples

- AS/RS Systems
- Video for crane hook in difficult locations
- Overhead Crane
- Pallet Shuttles
- Amusement Ride Control & Video
- Sorters

Nexus BB™

by Conductix-Wampfler

