



BELDEN

Altronix®

Altronix Power and Data Transmission with Belden Connectivity Solutions



APPLICATION GUIDE

Extending security and connectivity to the edge supports applications in large areas where local power is scarce or non-existent. The Altronix and Belden combination is ideal for use in security and connectivity applications required at Airports, Stadiums, Hospitals and College Campuses.

Belden's hybrid cables offer a network infrastructure solution that solves the need to power mission-critical remote devices such as IP cameras, Access Points, Emergency Phones, Infrared and LED lighting in any environment. While Altronix, a leading global provider of power and transmission technologies for the Life Safety industry, provides innovative solutions that integrate disparate infrastructure and maximize overall system performance and efficiency. For more information, visit Belden.com

Partner Alliance
ECOSYSTEM



SCAN ME

Learn More: Use this QR code to access literature, applicable products and more information on Belden's PartnerAlliance Ecosystem.

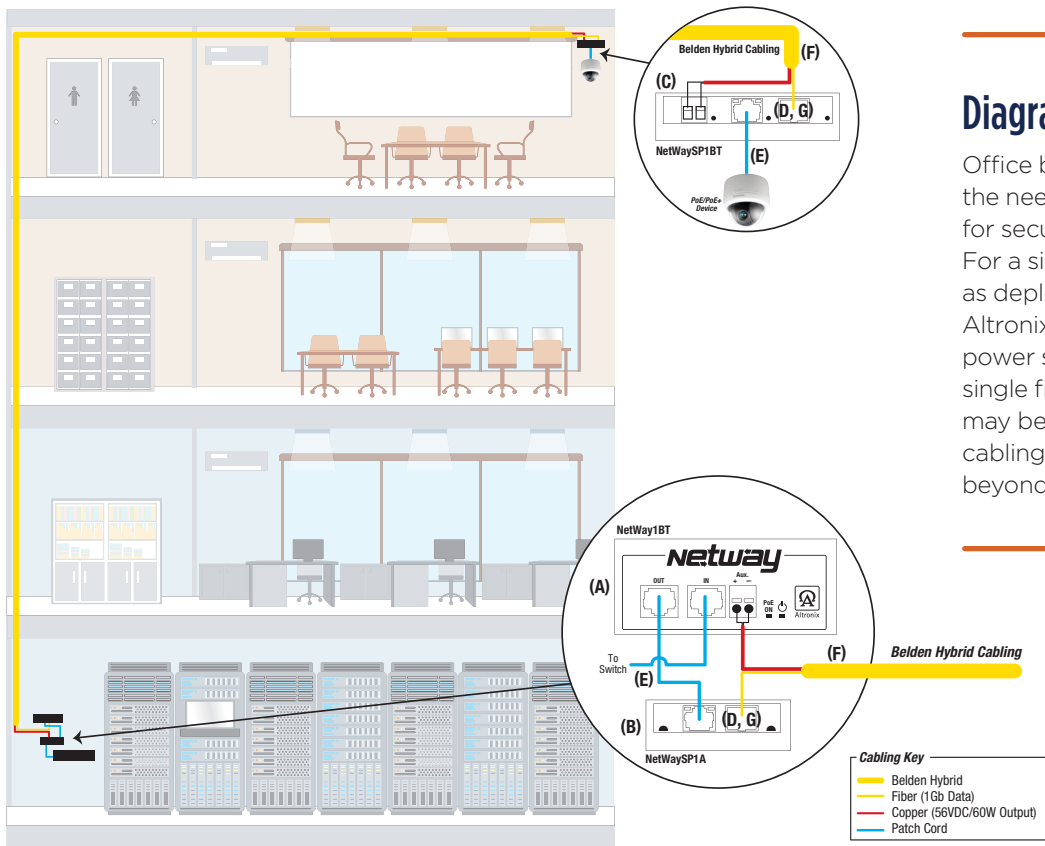


Diagram 1

Office buildings often have the need to install cameras for security and conferencing. For a simple installation such as deploying one or two PD's, Altronix NetWay Spectrum series power sourcing equipment and single fiber media converters may be used with Belden hybrid cabling to push power and data beyond 100m.












Diagram 1	Part Number	Description
A	 NetWay1BT	Single port 4PPoE injector provides 56VDC power out to remote fiber media converters to support network devices up to IEEE 802.3bt
B	 NetWaySP1A	Single port fiber media converter is used for applications such as where fiber must be converted to copper Ethernet
C	 NetWaySP1BT	Single port fiber media converter to convert 56VDC to 4PPoE to support network devices up to IEEE 802.3bt
D	 SFP Modules	Support single, multi-mode fiber or copper
E	 C601106007	CAT6+ UTP CMR PATCH CORDS, 7ft, Blue
F	 HISB0020212RB	Indoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x 12AWG Cu conductors
	HISB0020214RB	Indoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x14AWG Cu conductors
G	 FTSLD2MMP501	FX Pigtail, OS2, LC Duplex, Jacketed 2.0 mm, 2m

Diagram 2

With the proliferation of powered devices throughout commercial buildings, airport concourses, stadium hallways, and suites, Belden and Altronix provide a robust, uniform solution for design engineers by supporting proper power to PD's of nearly any type and at extreme distances or anywhere in between. No longer is the professional bound by traditional distance limitations of network data and power. This allows for the ability to push edge devices farther, to improve security and network connectivity throughout any facility.

Cabling Key	
	Belden Indoor Hybrid Cabling
	Fiber (1 Gb Data)
	Copper (56VDC/60W Output)
	Patch cord

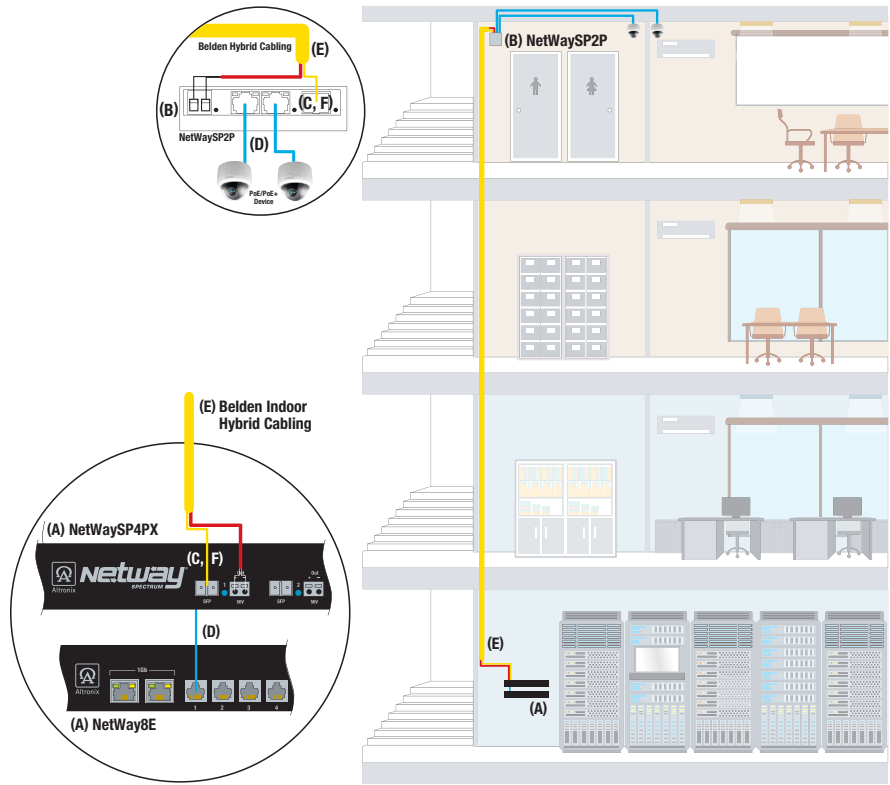








Diagram 2	Part Number	Description
A 	NetWaySP4PX	Is designed to leverage Belden hybrid cabling to provide 56VDC power for up to four (4) remote fiber media converters which support powered devices up to IEEE 802.3bt and provides battery backup at the head-end.
B 	NetWaySP2P	Dual port fiber media converter which converts 56VDC into two (2) PoE+ outputs to support a pair of powered devices up to IEEE 802.3at
C 	SFP Modules	Support single, multi-mode fiber or copper
D 	C601106007	CAT6+ UTP CMR PATCH CORDS, 7ft, Blue
E 	HISB0020212RB	Indoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x 12AWG Cu conductors
	HISB0020214RB	Indoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x14AWG Cu conductors
F 	FTSLD2MMPS01	FX Pigtail, OS2, LC Duplex, Jacketed 2.0 mm, 2m

Diagram 3

For efficiency, it is common in modern outdoor lighting design to control power to parking lot light poles or stanchions from the building, leaving no available high voltage during daylight hours. This makes powering surveillance cameras and Access Points challenging. Belden indoor/outdoor hybrid cabling coupled with Altronix NetWay Spectrum series multi-port power sourcing equipment and hardened network switches supports power and data at extreme distances.

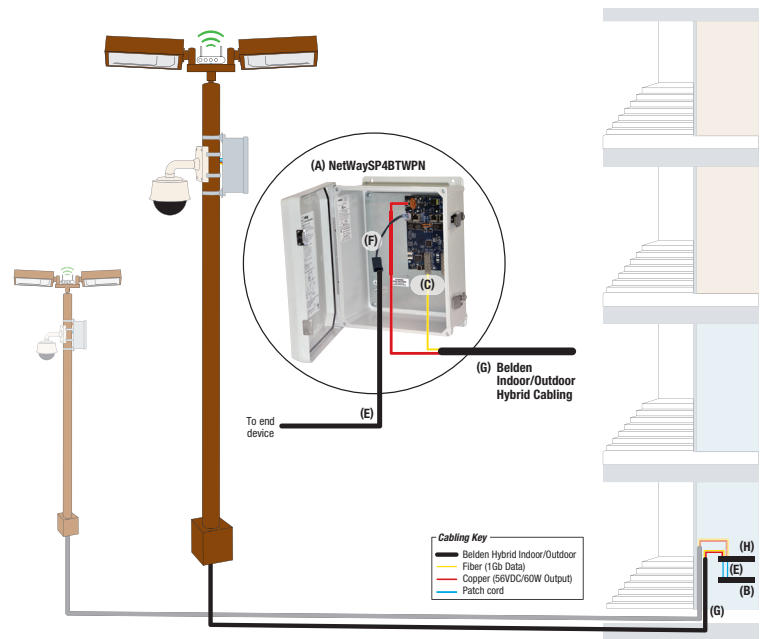











Diagram 3	Part Number	Description
A	 NetWaySP4BTWPN	Four (4) port fiber media converter which converts 56VDC to four (4) 4PPoE outputs to support network devices up to IEEE 802.3bt. <i>Additional models available to support any application.</i>
B	 NetWaySP4PX	Is designed to leverage Belden hybrid cabling to provide 56VDC power for up to four (4) remote fiber media converters which support powered devices up to IEEE 802.3bt and provides battery backup at the head-end.
C	 SFP Modules	Support single, multi-mode fiber or copper
D	 AX108847	Indoor/Outdoor CAT6 Pigtail, 7ft (CMR/CMX)
E	 C601106007	CAT6+ UTP CMR PATCH CORDS, 7ft, Blue
F	 RV6FFPUBK18-S1	Cat6 Flex-Plug, CMR, 18 in, Black
G	 HDSB0020212RB	Indoor/Outdoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x 12AWG Cu conductors
	 HDSB0020214RB	Indoor/Outdoor Hybrid Breakout Cable, Riser, 2f 2mm OS2 Sub Units, 2x14AWG Cu conductors
H	 FTSLD2MMP501	FX Pigtail, OS2, LC Duplex, Jacketed 2.0 mm, 2m



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