

SIGNAL AND SURGE PROTECTION SOLUTIONS Shipped Same-Day





THE LIGHTNING AND SURGE PROTECTION AUTHORITY



- · Industry leader in reliable RF surge protection, filtering and grounding
- Decades of experience and solutions deployed worldwide
- Patented DC block, DC pass, and ultra-low PIM RF filter technologies



- More than 50 years of surge protection experience
- Market driver in silicon diode, MOV and hybrid surge technologies
- AC, DC, data signal, and EMP surge protection devices and enclosures

MEETING THE REQUIREMENTS OF TODAY'S NETWORKS

Whether you need same-day shipping for an urgent project, detailed product information on demand, or simply the customer and technical support you expect from a valued partner, PolyPhaser and Transtector are poised to help.



Comprehensive range of products, systems and solutions



Products in stock, and available for same-day shipping



Online purchasing and direct purchasing options



Dedicated customer service and technical support

DATA SIGNAL SURGE PROTECTION

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
	ALPU PoE Series Compact RJ-45 surge protector for point-to- point and point-to-multi- point	 SASD technology Easy installation/RJ-45 connectors Compact design and 1/4-20 ground stud Plastic and aluminum indoor/outdoor enclosures 	Up to GbE and PoE++ protocols Standards: GR 1089, NEC 800.100 and 830c100, IEEE 802.3af, CE, RoHS compliant, hazardous location certified
	ALPU Fit & Lite Reliable surge protection for small cell networks, 3G, 4G applications	 Gas tube as well as hybrid SASD technology Ease of installation (corrosion, UV, and salt fog protection – [ALPU Fit] Rugged environmental design 	 GbE, PoE + and GbE, PoE ++ protocols Pole/wall mount Standards: UL 497B, IEC60950, CE and RoHS compliant, IP 65 (Fit), IP 23 (Lite)
	Thunderbolt Series Bulkhead protection for Ethernet/PoE lines	 High power gas discharge tube (GDT) and TVSS protection in single protector In-line installation Optimized for signal throughput Bulkhead mount 	 10/100 I PoE, GbE and GbE I PoE configurations available Standards: IP67, CE, RoHS
	DPR Series Surge protection for GbE, PoE, Ethernet rack, wall or DIN rail mount	 Line and load bidirectional protection Unprotected pins bonded to ground Individual modules in plastic housing with DIN rail snap on feature for mounting and grounding 	 Up to GbE and PoE++ protocols 1RU chassis holds up to 16 modules and is adjustable to fit 19" or 23" racks Standards: GR-1089, NEC 800.100 and 830.100, IEEE 802.3af, ITU703
emmonones	CPX Rack-mount multi protocol protection	 Carrier-grade surge protection Line and load bidirectional protection Ease of installation for individual protection modules Wall or DIN rail mount 	 T1E1, 10/100 Ethernet, 10/1000 GbE Ethernet, 10/ 100 PoE, and 48 Vdc power configurations 4 port or 16 port chassis Standards: GR-1089 CORE, UL 497A, UL497B, IEEE802.3 ITU703, hazardous location certified models
	TSJ-USB Series Indoor SPD using SASD technology for PC, WiFi, and Security applications	 Bulkhead USB 1.0, USB 2.0 data protocols Superior silicon avalanche diode technology Data rate 480 MBs 72 inch pigtail 	USB A plug contacts RoHS compliant
	MDPS Series Reliable surge protection for NEMA 4X-rated outdoor enclosure applications	 DPR modules offer surge protection up to GbE and PoE++ protocols Ease of installation for DIN Rail modules Wall pole mount capabilities Modular enclosure support, up to eight (8) DPR modules (two DPR modules provided with unit) 	Standards: NEC 800.100, 830.100, NEMA 4X enclosure

COAXIAL RF SURGE PROTECTION

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
TRODUCT	TSX Series	Ultra low PIM RF coaxial protection in	• 4.3-10, N-Type or 7/16" DIN
Thosa or Andrew	Ultra low PIM RF coaxial protection	DC short and DC pass PolyPhaser's patented SX lightning filter technology Frequency range: 698 MHz to 2.7 GHz	connectors • IEC 61000-4-5, CE and RoHS compliant
	IS-B50 Series DC block protector for two way radio and SCADA applications	 DC block gas tube design Optimized for low insertion loss, low return loss Frequency range between 1.5 MHz-1 GHz 	IEC 61000-4-5, CE and RoHS compliant
	GXZ Series DC pass for tower- top amplifiers, GPS antennas, active antennas and base station entry panels	 PolyPhaser's patented hybrid, multi- stage lightning protection DC Pass surge protector is available in 4 RF bands from DC to 2500 MHz 	IEC 61000-4-5, CE and RoHS compliant
	Rail Filters (RRF) Band pass filter protection for railway applications	 Superior in-band RF performance Integrated surge protection Allow interoperability with 219.5 MHz and 220 MHz PTC signals 	 160, 220, and 450 MHz rail configurations available for way-side and locomotive applications AAR, Section K Part V, Standard S-9401, CE and RoHS compliant
	GT Series Gas tube lightning protection with superior RF performance	 DC pass gas tube protection High surge current capability, low let-through voltage Frequency range between DC to 6 GHz 	 IEC 61000-4-5, CE and RoHS compliant N and SMA connector options
	VHF Series High-powered public safety, TETRA and UHF, VHF radio application protection	 High surge current capability, low let-through voltage DC block filter design, no DC continuity between center pins TETRA, UHF, and VHF radio application frequency range 	PIM performance available in select units IEC 61000-4-5, CE and RoHS compliant
6	SX Series Radio frequency DC blocked filter protector	 High surge current capability, low letthrough voltage DC block filter design, no DC continuity between center pins Elongated female connector allows for mounting through a 1/4" bulkhead or grounding bar Frequency range 300 MHz to 10 GHz 	 PIM performance available in select units IEC 61000-4-5, CE and RoHS compliant

PRODUCTS AVAILABLE ONLINE FOR SAME-DAY SHIPPING

AC SURGE PROTECTION

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
- 1000 - 1000	AC Edge Series Rack mounted 120 Vac and 240 Vac distribution panel with dual inputs	Allows customers standardization of AC power installation and start up Wire from commercial power or UPS breakers Integrated surge protection (5 kA SASD per input) Remote alarm circuits: power and breaker	 Space saving 2 RU Circuit breaker options: 1, 2, 3, 4, 5, 10, 15 amp Standards: UL 60950 listed, EN 60950 listed
Nax Nax	IMAX Series Mission-critical AC panel mounted surge protection	 Hybrid silicon diode/thermally protected MOV design Line and load bidirectional protection Field-replaceable suppression modules Visual and remote status monitoring Motorola R-56 approved 	 120/240 split phase silicon/MOV, 120/208 3-phase wye silicon MOV, 120/240 split phase MOV, 120/208 3 phase wye MOV configurations Standards: UL 1449 4th Edition, ANSI/EEE C62.45, IEEE C62.412002 C High
	PV Series Modular robust surge protection for critical equipment	 Thermally protected MOV technology Audible alarm and disable switch Visual and remote status indication (dry relay contacts) per phase EMI/RFI noise filtering 	 Available with or without disconnect All mode protection-L-N, L-G, N-G and L-L Standards: UL 1449 4th Edition, NEC, IEEE
5000	SP Series Protection for Type 1 and Type 2 applications	 MOV technology LED Status indication Quick installation for indoor/outdoor use Compact design and rugged construction 	 120 Vac to 600 Vac configurations Indoor outdoor options Standards: UL 1449 4th Edition, UL 964, ANSI/IEEE, Type 1 US and Type 2 Canada listed, NEMA 4X, RoHS, NEC 100/285
	I2R IEP Series Replaceable DIN rail mounted surge protection	SASD technology Line and load bidirectional protection Field-replaceable suppression module Visual and remote status indication	120 Vac configuration available Standards: UL 1449 4th Edition, IEEE C62 41, RoHS compliant, hazardous location certified
	I2R T125 Series Modular 230 Vac single phase & 3-phase Wye	Replaceable suppression modules DIN Rail mount High capacity MOV protection	IEC61643-11 Class I + II CE, RoHS compliant
	I2R 75K Series Modular single phase, split-phase, three- phase WYE, delta and high-leg delta	 Safe-fail, self-protected Surge capacity 75 kA Additional back up fusing not required Remote status indication 	 UL 1449 4th Edition ANSI/IEEE C62.41.1, C62.41.2, C62.45 CE, RoHS compliant MIL-STD-810E

DC SURGE PROTECTION

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
diffinity triming	DC Edge Series Power distribution for scalable and reconfigurable edge network applications	 High current capability Universal voltage Front panel alarm status LED and discrete dry relay contacts Front load TFD housing or circuit breaker Compact 1 RU PDU 	 19" or 23" rack mount Standards: UL 60950, NEBS and RoHS compliant
4	DRDC Series Superior surge protection for DC and low frequency data lines	SASD technology DIN rail mount with replaceable suppression module, no rewiring required Screw terminals accept 28-12AWG	 7, 12, 24, 48, 70 Vdc configurations available Hazardous location certified, FM approval Class 1 Division II, CE, ATEX EU Directive 94/9/EC, UL 497B (except DRDC-70)
	I2R ICP Series Silicon surge protection for DIN rail mount applications	 SASD technology Parallel installation Replaceable suppression module, no rewiring required Visual and remote (dry contact relay) status indication 	 12, 24, 48 Vdc configurations Standards: IEEE C62 41, UL 49AB
	DRI Series Two pair/four wire protection approved for hazardous locations	 SASD technology Line and load bidirectional protection Plug-in, suppressor modules, DIN rail mount Visual and remote (dry contact relay) status indication 	 24,120 Vdc configurations available FM approval Class 1 Division II, ATEX EU Directive 94/9/EC
	I2R IEP DC Series Silicon surge protection for DIN rail mount applications	SASD technology Replaceable suppression module Visual and remote (dry contact relay) status indication	 12, 24, 48 Vdc configurations available Standards: IEC 61643-1, RoHS compliant
O THE REST OF THE PARTY OF THE	DCOD Series Silicon surge protection for indoor/ outdoor tower-top antennae applications	 SASD technology Series 25-amp two-port protection Surge and protected wiring terminals Remote status monitor relay contacts 	 24, 48 Vdc configurations 2.5kA and 5kA 8/20µs surge withstand configurations available Standards: IEC 61643-11 compliant, CE 6095, NEMA 3R
	DC Defender 48 Vdc silicon surge protection for indoor/ outdoor tower-top antennae applications	 Series fused, SASD surge protection NEMA 3R enclosure 3 mode DC power protection 10 AWG wire for 15-amp circuits 	 Panel and pole mount configurations Standards: CE 60950, NEMA 3R, RoHS compliant

PRODUCTS AVAILABLE ONLINE FOR SAME-DAY SHIPPING polyphaser.com | transtector.com | +1 (208) 635-6400

HEMP TESTED SURGE PROTECTION (HIGH-ALTITUDE ELECTROMAGNETIC PULSE)

AC EMP Surge Protection

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
27 days of the same of the sam	APEX IMAX HT Series Engineered for 120/208, 120/240 and 120 Vac applications	 Outdoor EMI shielded enclosure Form C remote alarm contacts Low VPL at high induced surge current 	 UL 1449 4th Edition MIL-STD-188-125 tested Enclosure UL 50 Type 4 Silicon and Hybrid options EMP protection level 1, 2, 3
	E3PA Series Tested to extreme SREMP environment	 Military grade Fail-safe fusing Cabinet options with continuous protection to downstream equipment 	 MIL-STD-188-125 tested Silicon and Hybrid options EMP protection level 1, 2, 3

DC EMP Surge Protection

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
	DCPM HT Series Rugged protector available for 12, 24, 28 and 48 Vdc applications	 Continuous protection to downstream equipment Military grade options Field serviceable 	 Silicon and Fail-Short MOV technology options MIL-STD-188-125 tested EMP protection level 1, 2, 3

Network Signal EMP Surge Protection

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
	ALPU HT and E3PM HT Series Rugged, compact and lightweight data line- EMP surge protection	 Continuous protection to downstream equipment Field serviceable Rugged construction 	 Military grade options MIL-STD-188-125 tested Silicon technology EMP protection level 1, 2, 3

RF EMP Surge Protection

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
	TSX HT Series Outdoor RF protector for 698 MHz to 2.7 GHz	Bulkhead mountLine/load bidirectionalLow let-through energyHigh pass filter	 RoHS, CE, IEC 60950-1AS MIL-STD-188-125 tested EMP protection level 1, 2, 3, 4
	E3PM HT Series DC pass broadband protector	 Flange or bulkhead mount Low throughput energy N-type connectors DFARS hardware kit 	 RoHS, Buy American Act MIL-STD-188-125 tested EMP protection level 1, 2, 3, 4

POWER PROTECTION CABINETS

Custom Solutions

Transtector Systems engineers and manufactures fully integrated power protection cabinets for quick site setup, low lead times and termination of both electrical and communication utility feeds. Configurable options include AC, DC and data line surge protection for indoor and outdoor communication sites with multiple power sources. Global carriers rely on Transtector for custom quality solutions that meet unique environment and network requirements.

Small Cell

Transtector Systems engineers a full line of reliable, safe and configurable compact cabinet solutions engineered specifically for Small Cell deployments. These cabinets integrate dependable surge suppression, are compact to reduce public visibility, provide several current configurations, and are UL listed to meet industry safety standards.

PRODUCT	DESCRIPTION	FEATURES & BENEFITS	OPTIONS/STANDARDS
•	AC Power Distribution Cabinet	 120V or 120/240SP 12 field configurable branch breaker positions Service entrance rated Co-location approved 	 UL 67 Listed 50A, 60A, 100A or 125A configurations I2R-75K MOV surge protection NEMA 3R Field configurable design supports unique market architecture
I.	MiniCab Series	 120/240 and 120 Vac options Single phase Outdoor Wall or pole mounts Compact footprint 	 UL 67 Listed I2R IEP and I2R SA 120-50M surge protection 15 A, 20 A, 40 A options

Industrial NEMA Enclosures and Accessories

Transtector series of weatherproof UL Listed, NEMA enclosures reliably protect equipment in harsh environments. These enclosures are available in a wide range of configurations, all engineered to house equipment that requires protection and security.

PRODUCT	DESCRIPTION	FEATURES & BENEFITS
PRODUCT	TEF14 Series	 45 enclosure options with 15 accessories Standard 14"x12"x7" footprint UV stabilized polyester reinforced fiberglass construction 120 Vac, 240 Vac, and PoE options
	TEF18 Series	 42 enclosure configurations with 8 accessories Standard 18"x16"x8" footprint UV stabilized polyester reinforced fiberglass construction 120 Vac, 240 Vac, PoE and 12 Vdc options
	TEP14 Series	 17 enclosures and 4 accessories to choose from Available in 14"x10"x6" and 14"x10"x4" sizes ABS Acrylonitrile Butadiene Styrene constructions 120 Vac and PoE options
	TEPC Series	 Over 100 configurations available Polycarbonate construction in grey or black Outdoor IP 24 rated

RF Protection – TSX Series

Ultra-low PIM protectors for 698 MHz to 2.5 GHz, available in DC block and DC pass configuration





RF Protection – GX

DC pass filter protectors ideal for RF applications where DC is required

rPolyPhaser



Grounding - 5PEEP-M

3 and 8 port earthed entrance panels

ıPolyPhaser



AC Protection - I2R 75K

Modular, fail-safe protector with surge capacity of 75 kA





AC Protection - SP

Reliable MOV technology for a variety of voltages from 120 Vac to 600 Vac

TRANSTECTOR



TRANSTECTOR

DC Protection - I2R Series

Outdoor, nondegrading silicion protectoin for DC power supplies up to 25 A



EMP Protection – HEMP

Military grade AC, DC, Data and RF protectors to sheld from EMP



TRANSTECTOR



TELECOMMUNICATION SOLUTIONS



Macro LTE 5G







Internet of Things (IoT) Enterprise











Venues

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Small Cell 1458101214

Contact our sales team at +1 (208) 635-6400 for additional information and specifications on RadioWaves and KP Performance Antennas

Data Protection - ALPU Fit

Protects GbE. PoE+ and GbE PoE++ networks for indoor and outdoor applications



Data Protection - DPR Series

Multiple data rates and PoE applicatoins - T1/ E1, GbE, PoE, PoE+ and PoE++

TRANSTECTOR





Small Cell Cabinets – SC-2MMA9

UL configurable 60A to 125A co-location approved



Industrial Cabinets - NEMA

Configurable NEMA enclosures for indoor and outdoor applications



PERFORMANCE ANTENNAS

KP Omni KPPA-3GHz – DPOMA

3 GHz 13 dBi dual polarized H/V Omni



KP Sector KPP-3SX4-65

Proline Sector Antenna engineered to delivery high stable gain over wide bandwidths



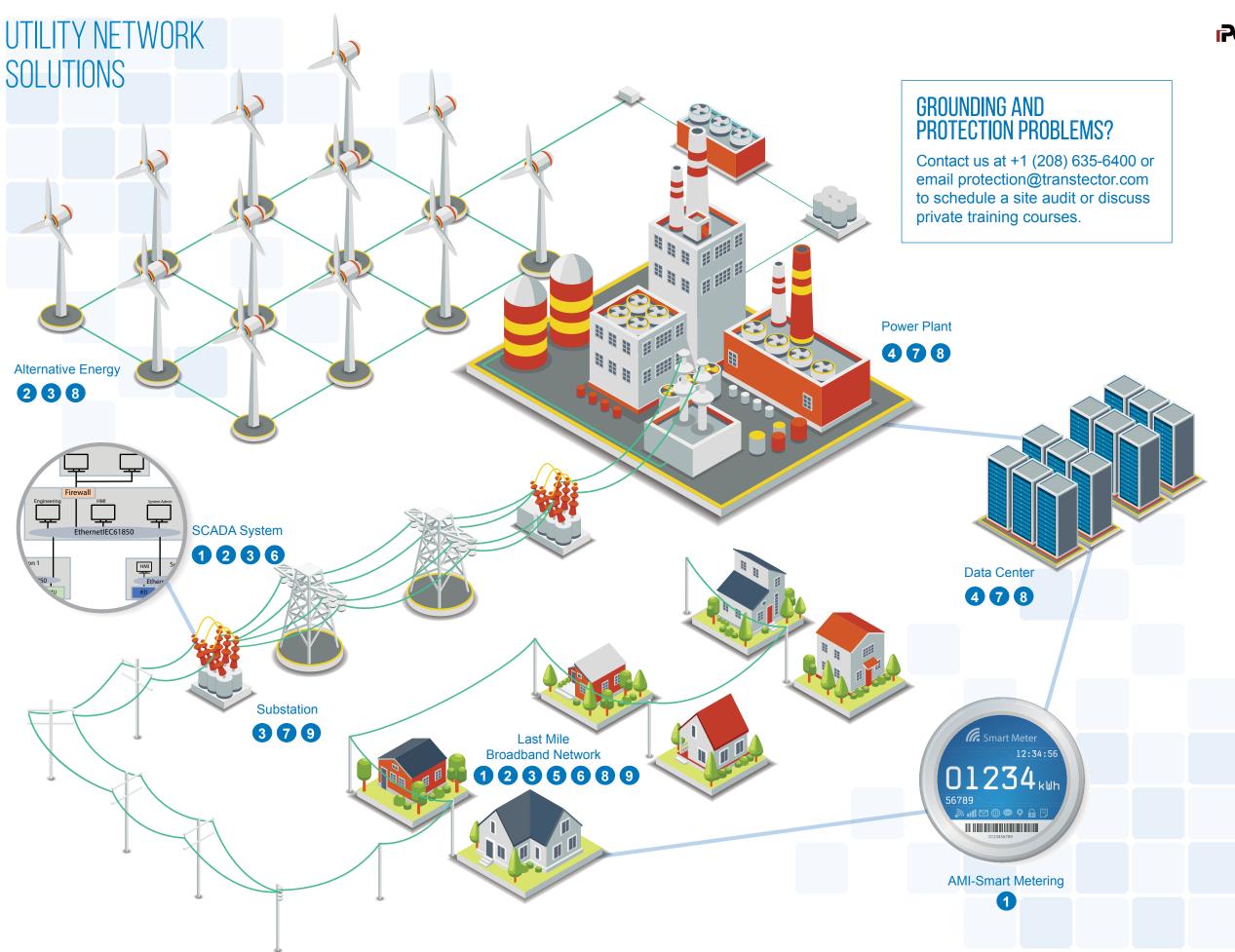
RWI – HPLP2-80

High performance parabolic reflector antennas engineered to ETSI class 2/3









PRODUCTS AVAILABLE ONLINE FOR SAME-DAY SHIPPING







RF Protection - DGXZ Series

DC Pass arrestor engineered for 800 MHZ to 2500 MHz





DC Protection - DC Defender

Superior SASD surge technology for 48 Vdc outdoor applications





DC Protection - I2R IEP Series

Modular DIN Rail 24 & 48 Vdc single mode SASD protection





Data Line - CPX Series

Modular, Ethernet and GbE surge protector scalable to 16 ports





Data Line - ALPU Series

Protects GbE, PoE+ and GbE, PoE++ networks, for indoor and outdoor applications





Data Line - DPR Series

Multi-protocol equipment protector offers GT, SASD and hybrid technology





EMP-HEMP Tested – **APEX IMAX HT Series**

AC EMP surge protection options for 120/208 120/240 and 120 Vac applications





AC Protection – SP Plus

Reliable MOV technology supporting voltages from 120 Vac to 600 Vac





NEMA Enclosures

Configurable indoor and outdoor NEMA enclosures and accessories



AC Protection – SP Series

Reliable MOV technology for a variety of voltages from 120 Vac to 600 Vac

TRANSTECTOR



















RF Protection - GX Series

DC Pass filter protectors ideal for RF applications where DC is required

High performance, dual stack, silicon, primary railroad

protection with status indication

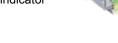
rPolyPhaser

DC Protection – SXRR



DC Protection – DRI24

Modular, silicon, DC data signal protector with LED indicator





RF Filter – RRF Filter

Band pass filter designed for wayside rail applications and Positive Train Control systems

rPolyPhaser

Rail Filters (RRF)

Cavity filters for PTC applications

rPolyPhaser



and hybrid

technology

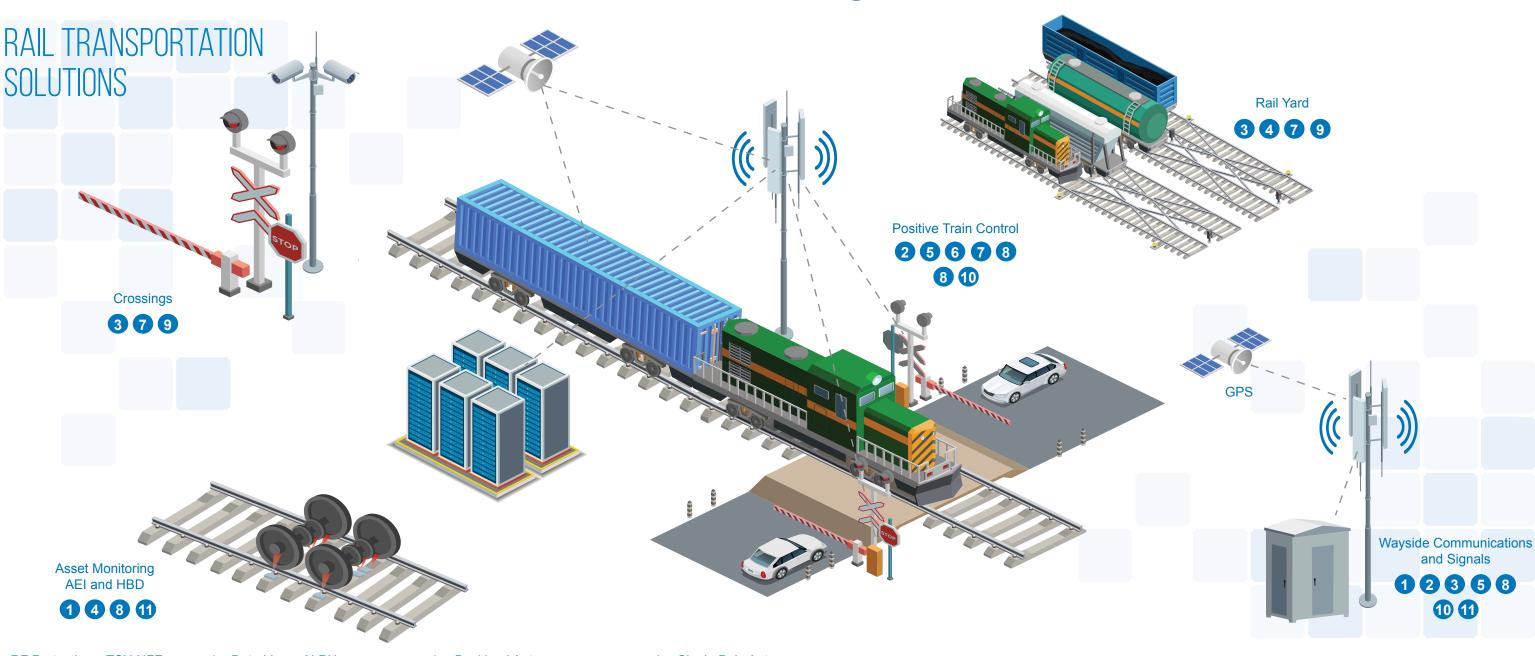


Multi-protocol

equipment protector offers GT, SASD

Data Line - DPR Series





RF Protection – TSX-NFF

DC block, ultra-low PIM, bidirectional protector









Data Line – ALPU

Protects GbE, PoE+ and GbE, PoE++ networks, for indoor and outdoor applications





Backhaul Antenna

Parabolic antennas provide a variety of performance solutions including SP, HP and SHP

radiowaves





Single Pole Antenna

Frequency range 902 - 928 MHz Dimensions 27.5" x 7" x 3.5" Gain 11.5 dBi





Contact our sales team at +1 (208) 635-6400 for additional information and specifications on RadioWaves and KP Performance Antennas









About Infinite Electronics

Infinite Electronics is a leading global supplier of electronic components serving the urgent needs of engineers through a family of highly recognized and trusted brands. Our portfolio of brands, including Pasternack, Fairview Microwave, L-com, MilesTek, KP Performance Antennas, PolyPhaser, Transtector, RadioWaves, Aiconics, Integra Optics, INC Installs, and ShowMe Cables, are technology specialists that provide broad inventories offering engineering-grade products, expert technical support, and same-day shipping.

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