

# NetWaySP4PL

4-port Hardened PoE Switch with Integral Power on a Backplane

Altronix NetWaySP4PL PoE+ Switch provides two (2) 1Gb SFP (Fiber) ports and four (4) PoE+ (30W) or two (2) Hi-PoE (60W) ports, passing data for PoE/PoE+/Hi-PoE compliant devices. Cameras/edge devices may be located up to 100m from the unit. Embedded LINQ Technology allows you to monitor, control, and report power and diagnostics from anywhere.

Key Features
Two (2) Gigabit SFP ports
120W total power:

Four (4) PoE/PoE+ (up to 30W) ports or two (2) Hi-PoE (60W) ports
Four (4) 10/100/1000 Mbps ports
IEEE 802.3at (30W), IEEE 802.3af (15W) compliant, or Hi-PoE (60W)

VLAN (Virtual Local Area Networks) subnetwork allows for the grouping together of devices for improved network traffic and higher security
UL Listed in the U.S. and Canada
CE European Conformity
Lifetime Warranty

### Similar products -

NetWaySP4WPX         Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure which accommod stand-by batteries		
NetWaySP4WP	Outdoor 4-port PoE+ Hardened Switch in NEMA 4/4X, IP66-11 enclosure	
NetWaySP4WPN	Outdoor 4-port PoE+ Hardened Switch only in NEMA 4/4X, IP66-11 enclosure	
NetWaySP4X	Indoor 4-port PoE+ Hardened Switch in NEMA 1 Rated indoor enclosure	
NetWaySP4B         4-port PoE+ Hardened Switch (board only)		



Rev. 03042022

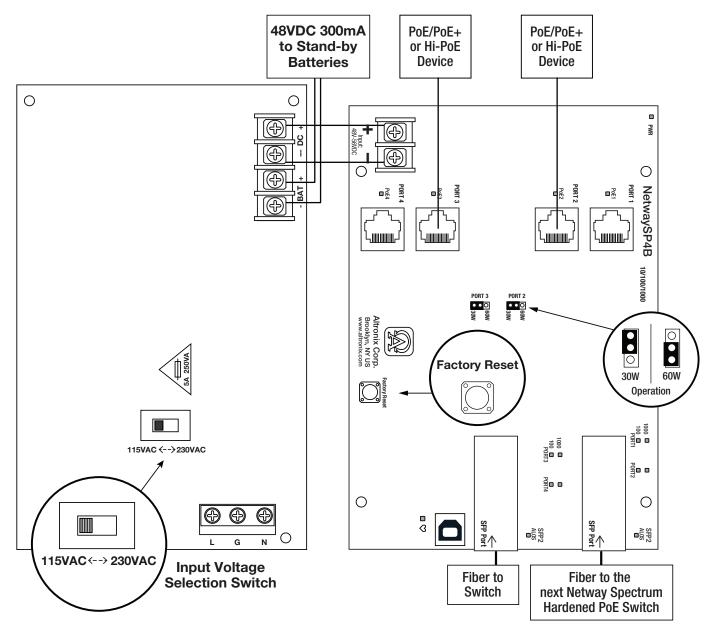


## NetWaySP4PL

4-port Hardened PoE Switch with Integral Power on a Backplane



## **Typical Application**





## NetWaySP4PL

## 4-port Hardened PoE Switch with Integral Power on a Backplane



Input Voitage       115VAC, 60Hz, 2.5A or 230VAC, 50/60Hz, 1.3A         Fusing       5A/250V         Power Output       Maximum Power         Maximum Power       Four (4) PoE+ (30W) ports tEEE 802.3at (30W) and leEE 802.3at (30W) and leE 800 (30	┌ Specifications						
Voitage       115VAC, 60Hz, 2.5A or 230VAC, 50/60Hz, 1.3A         Fusing       5A/250V         Power Output       Multiple management VLAN assignment         Maximum Power       Four (4) PoE+ (30W) ports or two (2) H>C6 (60W) ports IEEE 802.3at (30W) and IEEE 802.3at (30W) and IEEE 802.3at (15W) compliant         120W total power Integral surge protection       LINQ Technology:         Fiber Ports:       Two (2) Glgabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       UL/cUL       UL60950-12 (Information Technology Equipment) UL60950-22 (Information Technology Equipment)         Back-up Battery (not included) Type       Sealed lead acid or gel type Charging Circuit Failover       Sealed lead acid or gel type Charging Circuit AVDC, 300mA       Sealed lead acid or gel type Charging Circuit Individual IP Link status, 10/100Base-T/active LEDs for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates fiber connection for SFP port       GWW: -40°C to 45°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F)         Heartbeat LED indicates fiber connection for SFP port       Fullow Humidity: 85% +/-5%       BTU/Hr. (approx.):		•					
Fusing       5A/250V       802.10 Tagged VLAN         Power Output       Maximum Power       Four (4) PoE+ (30W) ports or two (2) Hi-PoE (60W) ports (EEE 802.3at (30W) and (EEE 802.3at (30W) and (EEE 802.3at (30W) and (EEE 802.3at (15W) compliant 120W total power integral surge protection       Eliver Technology:         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, halt/full duplex, auto negotiation       VL/cUL       UL60950-1 (Information Technology Equipment) UL60950-2 (Information Technology Equipment) ULC0UL         Back-up Battery (not included) Type       Sealed lead acid or get type Charging Circuit Railover       Sealed lead acid or get type Charging Circuit Max Status, 10/100Base-T/active LEDs for each port Individual PC ED LEDs for each port Individual PC ED LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates fiber connection for SFP port       Storage: -40°C to 55°C (-40°F to 158°F) Relative Humidity:       85% (-40°F to 158°F) Relative Humidity:			115\/AC 60Hz 2.5A or 230\/AC 50/60Hz 1.3A				
Power Output       Up to 10 VLÂN groups. ID Range 2-4095.         Maximum Power       Four (4) PoE+ (30W) ports or two (2) Hi-PoE (60W) ports IEEE 802.3at (30W) and IEEE 802.3at (30W) and IEEE 802.3at (15W) compliant 122W total power       Hende network management allows for camera/device reset and monitoring         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       VLG0950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included) Type       Saed lead acid or gel type Charging Circuit Haitoactors (LED)       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (27.3 Imm x 225.4mm x 60.3mm). Product Weight / Shipping (approx.) Product Weight / Shipping Weight: 4.2 lb. (1.27 kg) Shipping Weight: 4.2 lb. (1.27 kg) Shipping Weight: 4.2 lb. (1.9 kg) Temperature Operating:         Individual IP Link status, 10/100base-Tractive LEDs for each port Individual IP Link status, 10/100base-Tractive LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Gel Tu/Hr. (approx.) Fibro 10.40°-10 85% (-40% to 158%) Fibro 113%		•					
Power Output       Maximum Power       Four (4) POE+ (30W) ports or two (2) Hi-POE (60W) ports or two (2) Hi-POE (60W) ports it EEE 802.3at (30W) and it EEE 802.3at (30W) and it EEE 802.3at (30W) and it EEE 802.3at (30W) compliant 120W total power integral surge protection       Remote network management allows for camera/device reset and monitoring         Fiber Ports:       Two (2) Gigabit SFP ports       Remote network management allows for camera/device reset ind monitoring         Fiber Ports:       Two (2) Gigabit SFP ports       Porvides local and/or remote access to critical information via LANWAN Email and Windows Dashboard Alert notifications report real-time diagnostics         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation         Back-up Battery (not included)       Type       Selead lead acid or gel type Charging Circuit 48VDC, 300mA Upon AC loss, instantaneous         Indicators (LED)       Indicates fiber connection for SFP port ALOS LED indicates proper operation of the unit       Point Humidity: 85% 4/-5%         Brulyer 4-work to 45% C (-40%F to 115%F)       Readive Humidity: 85% 4/-5%		Fusing	5AV250V		ID Range 2-4005		
Maximum Power       Four (4) PoE+ (30W) ports or two (2) Hi-PoE (60W) ports lEEE 802.3at (15W) compliant 120W total power Integral surge protection       LINQ Technology:         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/ull duplex, auto negotiation       LINQ Technology:         Back-up Battery (not included) Type       Four (4) 10/100/1000 Mbps, half/ull duplex, auto negotiation       LINQ Technology:         Back-up Battery (not included) Type       Sealed lead acid or get type Charging Circuit Holividual Po E on LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Storage: -40°C to 55°C (-40°F to 13°F) 120W: -40°C to 55°C (-40°F to 13°F)         Heartbeat LED indicates proper operation of the unit       Storage: -40°C to 55°C (-40°F to 13°F)		Power Output					
or two (2) Hi-PoE (60W) ports IEEE 802.3at (35W) and IEEE 802.3at (35W) and <br< th=""><th></th><th>•</th><th><math>F_{\text{outr}}(4)</math> DeF (20)M ports</th><th></th><th></th></br<>		•	$F_{\text{outr}}(4)$ DeF (20)M ports				
IEEE 802.3at (30W) and IEEE 802.3at (35W) compliant 120W total power Integral surge protection       and monitoring         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       Agency Listings UL/cUL       UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) be installed Outdoors)         Back-up Battery (not included) Type       Seeded lead acid or gel type Charging Circuit Haitover       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm). Product Weight: 2.8 lb. (1.27 kg) Shipping Weight: 4.2 lb. (1.9 kg)         Indicators (LED) Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Gene Uses for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port       Gene Uses for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port       Gene Uses for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port       Gene Uses for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port       Selective Humidity: 85% +/-5% BTU/Hr. (approx.):       BTU/Hr.		Iviaximum Power					
IEEE 802.3af (15W) compliant         120W total power         Integral surge protection         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports         Connectivity: RJ45, auto-crossover       Wire type: 4-pair CAT5         or better structured cable       Distance: up to 100m         Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       Physical and Environmental         Back-up Battery (not included)       Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation         Type       Sealed lead acid or gel type         Charging Circuit       48VDC, 300mA         Failover       Upon AC loss, instantaneous         Individual PoE On LEDs for each port       Individual PoE on LEDs for each port         Individual PoE indicates fiber connection for SFP port       ALOS LED indicates fiber connection of the unit         Heartbeat LED indicates proper operation of the unit       Storage:       -40°C to 85°C (-40°F to 113°F)         Relative Humidity:       85% +75%       BTU/Hr. (approx.):       61 BTU/Hr.							
120W total power Integral surge protection       Email and Windows Dashboard Alert notifications report real-time diagnostics Event log tracks history.         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       UL/cUL       UL60950-12 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included)       Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Product Weight / Shipping (approx.)       Product Weight / Shipping (approx.) Product Weight: 4.2 lb (1.2 kg)         Type Charging Circuit Failover       Sealed lead acid or gel type 48VDC, 300mA Upon AC loss, instantaneous         Individual PoE On LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Storage:       -40°C to 55°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F)         Relative Humidity:       85% +/-5% BTU/Hr. (approx.); 61 BTU/Hr.       BTU/Hr.							
Integral surge protection       real-time diagnostics         Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, halt/full duplex, auto negotiation       Agency Listings UL/cUL       UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included) Type       Sealed lead acid or gel type Charging Circuit Failover       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Indicators (LED) Type       Sealed lead acid or gel type Charging Circuit Failover       48VDC, 300mA Upon AC loss, instantaneous         Individual PE Inik status, 10/100Base-T/active LEDs for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Gow: -40°C to 45°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F)         Relative Humidity:       85°C (-40°F to 158°F) 100W: -40°C to 45°C (-40°F to 158°F)							
Fiber Ports:       Two (2) Gigabit SFP ports         Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       UL/cUL       UL60950-22 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included) Type       Sealed lead acid or gel type Charging Circuit       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Indicators (LED) Individual Pc Ink status, 10/100Base-T/active LEDs for each port Individual Pc Ink status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port       Four Connective LED for each port Heartbeat LED indicates proper operation of the unit							
Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       Agency Listings UL/cUL       UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included) Type       Sealed lead acid or gel type Charging Circuit Failover       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Indicators (LED) Individual PC on LEDs for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       GOW: -40°C to 75°C (-40°F to 113°F) 100W: -40°C to 45°C (-40°F to 113°F)         Storage:       -40°C to 85°C (-40°F to 113°F)         Belative Humidity:       85% +/-5% BTU/Hr. (approx.):							
Ethernet Ports:       Four (4) 10/100/1000 Mbps ports Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       UL/cUL       UL60950-1 (Information Technology Equipment) UL60950-22 (Information Technology Equipment) to be installed Outdoors)         Back-up Battery (not included) Type       Sealed lead acid or gel type Charging Circuit Failover       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Indicators (LED) Individual PD E on LEDs for each port Individual PD Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Operating:       60W: -40°C to 75°C (-40°F to 167°F) 75W: -40°C to 85°C (-40°F to 113°F)         Storage:       -40°C to 85°C (-40°F to 113°F)       100W: -40°C to 85°C (-40°F to 113°F)         Relative Humidity:       85% +/-5% BTU/Hr. (approx.):       61 BTU/Hr.		Fiber Ports:	Two (2) Gigabit SFP ports				
Connectivity: RJ45, auto-crossover Wire type: 4-pair CAT5 or better structured cable Distance: up to 100m Speed: 10/100/1000 Mbps, half/full duplex, auto negotiationUL60950-22 (Information Technology Equipment to be installed Outdoors)Back-up Battery (not included) Type Charging Circuit FailoverSealed lead acid or gel type 48VDC, 300mA Upon AC loss, instantaneousPhysical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm). Product Weight / Shipping (approx.) Product Weight: 2.8 lb. (1.27 kg) Shipping Weight: 4.2 lb. (1.9 kg) Temperature Operating: 60W: -40°C to 75°C (-40°F to 167°F) 75W: -40°C to 75°C (-40°F to 167°F) 100W: -40°C to 55°C (-40°F to 167°F) 75W: -40°C to 75°C (-40°F to 113°F)Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unitStorage: -40°C to 85°C (-40°F to 113°F)Relative Humidity: 85% +/-5% BTU/Hr. (approx.): 61 BTU/Hr.Storage: -40°C to 85°C (-40°F to 185°F)							
Wire type: 4-pair CAT5       to be installed Outdoors)         or better structured cable       Distance: up to 100m         Speed: 10/100/1000 Mbps,       half/full duplex, auto negotiation         Back-up Battery (not included)       Physical and Environmental         Type       Sealed lead acid or gel type         Charging Circuit       48VDC, 300mA         Failover       Upon AC loss, instantaneous         Indicators (LED)       Individual PoE on LEDs for each port         Individual IP Link status, 10/100Base-T/active LEDs for each port       60W: -40°C to 75°C (-40°F to 158°F)         Heartbeat LED indicates proper operation of the unit       Storage:         -40°C to 85°C (-40°F to 185°F)         Relative Humidity:       85% +/-5%         BTU/Hr. (approx.):       61 BTU/Hr.		Ethernet Ports:		UL/cUL	· · · · · · · · · · · · · · · · · · ·		
or better structured cable       Distance: up to 100m         Speed: 10/100/1000 Mbps,         half/full duplex, auto negotiation         Back-up Battery (not included)         Type       Sealed lead acid or gel type         Charging Circuit       48VDC, 300mA         Failover       Upon AC loss, instantaneous         Indicators (LED)       Individual PoE On LEDs for each port         Individual PoE On LEDs for each port       Individual IP Link status, 10/100Base-T/active LEDs for each port         ALOS LED indicates fiber connection for SFP port       Storage:         Heartbeat LED indicates proper operation of the unit       Storage:         Storage:       -40°C to 85°C (-40°F to 113°F)         Relative Humidity:       85% +/-5%         BTU/Hr. (approx.):       61 BTU/Hr.							
Distance: up to 100m       Distance: up to 100m         Speed: 10/100/1000 Mbps,       half/full duplex, auto negotiation         Back-up Battery (not included)       Type         Type       Sealed lead acid or gel type         Charging Circuit       48VDC, 300mA         Failover       Upon AC loss, instantaneous         Indicators (LED)       Individual PoE On LEDs for each port         Individual PoE On LEDs for each port       10/100Base-T/active LEDs for each port         Individual IP Link status, 10/100Base-T/active LEDs for each port       60W: -40°C to 75°C (-40°F to 167°F)         ALOS LED indicates fiber connection for SFP port       Storage:       -40°C to 85°C (-40°F to 113°F)         Heartbeat LED indicates proper operation of the unit       Storage:       -40°C to 85°C (-40°F to 185°F)         Relative Humidity:       85% +/-5%       BTU/Hr. (approx.):       61 BTU/Hr.					,		
Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation       Physical and Environmental Backplane Dimensions (H x W x D approx.): 10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).         Back-up Battery (not included)       Sealed lead acid or gel type Charging Circuit Failover       Sealed lead acid or gel type Charging Circuit 48VDC, 300mA Upon AC loss, instantaneous       Product Weight / Shipping (approx.) Product Weight: 2.8 lb. (1.27 kg) Shipping Weight: 4.2 lb. (1.9 kg)         Indicators (LED) Individual PoE On LEDs for each port Individual IP Link status, 10/100Base-T/active LEDs for each port ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unit       Operating:       60W: -40°C to 75°C (-40°F to 167°F) 75W: -40°C to 75°C (-40°F to 158°F) 100W: -40°C to 55°C (-40°F to 158°F) 100W: -40°C to 55°C (-40°F to 131°F) 120W: -40°C to 45°C (-40°F to 113°F)         Storage:       -40°C to 85°C (-40°F to 185°F)         Relative Humidity:       85% +/-5% BTU/Hr. (approx.):				CE	European Conformity		
half/full duplex, auto negotiationBack-up Battery (not included)Back-up Battery (not included)TypeSealed lead acid or gel type10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm).Charging Circuit48VDC, 300mAProduct Weight / Shipping (approx.)FailoverUpon AC loss, instantaneousProduct Weight: 2.8 lb. (1.27 kg)Indicators (LED)Upon AC loss, instantaneousShipping Weight: 4.2 lb. (1.9 kg)Individual PoE On LEDs for each port000000000000000000000000000000000				Dhuming Law d Environ			
Back-up Battery (not included)TypeSealed lead acid or gel typeCharging Circuit48VDC, 300mAFailoverUpon AC loss, instantaneousIndicators (LED)Operating:Individual PoE On LEDs for each port60W: -40°C to 75°C (-40°F to 167°F)Individual IP Link status, 10/100Base-T/active LEDs for each port00Perating:Heartbeat LED indicates fiber connection for SFP portStorage:Heartbeat LED indicates proper operation of the unitStorage:Charge:-40°C to 85°C (-40°F to 185°F)BTU/Hr. (approx.):61 BTU/Hr.							
Back-up Battery (not included)       Type       Sealed lead acid or gel type         Charging Circuit       48VDC, 300mA         Failover       Upon AC loss, instantaneous         Indicators (LED)       Individual PoE On LEDs for each port         Individual IP Link status, 10/100Base-T/active LEDs for each port       60W: -40°C to 75°C (-40°F to 167°F)         ALOS LED indicates fiber connection for SFP port       75W: -40°C to 45°C (-40°F to 113°F)         Heartbeat LED indicates proper operation of the unit       Storage:         -40°C to 85°C (-40°F to 185°F)         Relative Humidity:       85% +/-5%         BTU/Hr. (approx.):       61 BTU/Hr.			hail/full duplex, auto negotiation				
TypeSealed lead acid or gel typeCharging Circuit48VDC, 300mAFailoverUpon AC loss, instantaneousIndicators (LED)Upon AC loss, instantaneousIndividual PoE On LEDs for each port60W: -40°C to 75°C (-40°F to 167°F)Individual IP Link status, 10/100Base-T/active LEDs for each port00perating:ALOS LED indicates fiber connection for SFP port300°C to 40°C to 45°C (-40°F to 113°F)Heartbeat LED indicates proper operation of the unitStorage:-40°C to 85°C (-40°F to 185°F)BTU/Hr. (approx.):61 BTU/Hr.	Back-up Battery (not included)						
Charging Circuit Failover48VDC, 300mA Upon AC loss, instantaneousCharging Circuit AC loss, instantaneous48VDC, 300mA Upon AC loss, instantaneousCharging Weight: ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unitCharging Circuit ALOS LED indicates proper operation of the unitCharging Circuit ALOS LED indicates proper operation of the unitCharging Circuit Upon AC loss, instantaneousCharging Circuit Upon AC loss, instantaneousIndicators (LED) Individual IP Link status, 10/100Base-T/active LEDs for each port Heartbeat LED indicates proper operation of the unitGow: -40°C to 75°C (-40°F to 167°F) 75W: -40°C to 75°C (-40°F to 113°F) 120W: -40°C to 45°C (-40°F to 113°F) 120W: -40°C to 85°C (-40°F to 113°F)Storage: BTU/Hr. (approx.):-40°C to 85°C (-40°F to 185°F) 85% +/-5%							
Failover       Upon AC loss, instantaneous         Indicators (LED)       Temperature         Individual PoE On LEDs for each port       000000000000000000000000000000000000				Shipping Weight: 4.2 lb. (1.9 kg)			
Indicators (LED)Operating:60W: -40°C to 75°C (-40°F to 167°F) 75W: -40°C to 75°C (-40°F to 158°F) 100W: -40°C to 55°C (-40°F to 131°F) 120W: -40°C to 45°C (-40°F to 131°F) 120W: -40°C to 45°C (-40°F to 113°F)ALOS LED indicates fiber connection for SFP port Heartbeat LED indicates proper operation of the unitStorage: 85% +/-5% BTU/Hr. (approx.):-40°C to 85°C (-40°F to 185°F) 120W: -40°C to 85°C (-40°F to 185°F)		0 0					
Indicators (LED)       75W: -40°C to 70°C (-40°F to 158°F)         Individual PoE On LEDs for each port       100W: -40°C to 55°C (-40°F to 131°F)         Individual IP Link status, 10/100Base-T/active LEDs for each port       120W: -40°C to 45°C (-40°F to 131°F)         ALOS LED indicates fiber connection for SFP port       5torage:       -40°C to 85°C (-40°F to 185°F)         Heartbeat LED indicates proper operation of the unit       Storage:       -40°C to 85°C (-40°F to 185°F)         BTU/Hr. (approx.):       61 BTU/Hr.					60.W/: -40°C to 75°C (-40°E to 167°E)		
Individual PoE On LEDs for each port100W: -40°C to 55°C (-40°F to 131°F)Individual IP Link status, 10/100Base-T/active LEDs for each port120W: -40°C to 45°C (-40°F to 113°F)ALOS LED indicates fiber connection for SFP portStorage:Heartbeat LED indicates proper operation of the unit85% +/-5%BTU/Hr. (approx.):61 BTU/Hr.	Individual <b>PoE On</b> LEDs for each port Individual <b>IP Link status</b> , <b>10/100Base-T/active</b> LEDs for each port <b>ALOS</b> LED indicates fiber connection for SFP port		operating.	75W: -40°C to 70°C (-40°F to 158°F)			
ALOS LED indicates fiber connection for SFP port       Storage:       -40°C to 85°C (-40°F to 185°F)         Heartbeat LED indicates proper operation of the unit       Relative Humidity:       85% +/-5%         BTU/Hr. (approx.):       61 BTU/Hr.				100W: -40°C to 55°C (-40°F to 131°F)			
Heartbeat LED indicates proper operation of the unit       Relative Humidity:       85% +/-5%         BTU/Hr. (approx.):       61 BTU/Hr.				120W: -40°C to 45°C (-40°F to 113°F)			
BTU/Hr. (approx.): 61 BTU/Hr.			Storage:	-40°C to 85°C (-40°F to 185°F)			
Operating Altitude: -304.8 to 2,000m							
				Operating Altitude:	-304.8 to 2,000m		

#### Accessories (order separately)



#### SFP Modules - Hot pluggable Transceivers

P1MMMulti-Mode SFP Module for distances up to 550mP1SM10Single-Mode SFP Module for distances up to 10kmP1AB2KSingle Strand SFP Module for distances up to 2kmP1GCECopper SFP Module for distances up to 100m



#### NetWaySP1A

Ethernet over Fiber Media Converter/Repeater for applications requiring an additional SFP (Fiber) Port NetWaySP1A PoE powered media converter/repeater converts 10/100/1000 Mbps to Fiber (1000Base-X/SX/LX).