symbol

COST EFFECTIVE, POWER-OVER-ETHERNET FOR SYMBOL WIRELESS LANS

802.3af-Based Power-over-Ethernet Solutions for Symbol Wireless LANs

# Symbol Wireless Switch Power-over-Ethernet Solutions Save Labor and Costs

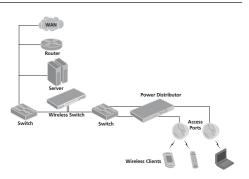
Power distribution solutions from Symbol Technologies deliver operating power and data to Symbol Spectrum24<sup>®</sup> Access Points and Access Ports via standard Ethernet cabling, simplifying installation and eliminating the need to run separate power lines to each access point or port location.

Whether in a warehouse, factory floor, or enterprise facility, running power to difficult-to-reach locations or to support changing network layouts can lead to excessive costs, as well as disruptions in time and labor operations. Symbol power distribution solutions significantly reduce cabling and outlet requirements—especially in hard-to-reach locations such as ceilings—and streamline wireless infrastructure deployment, lowering costs while protecting your Category 5 and Ethernet switch investment.

## **12-Port Power Injector**



The 12-Port Power Injector installs conveniently in your wiring closet rack. Easy to access interfaces on the front panel distributes IEEE 802.3af-compliant power for up to twelve Access Ports. The 19 in./48 cm form factor requires minimal rack space and the Advanced Auto Sensing discovery feature detects Power-over-Ethernet enabled access points before supplying in-line power. When used in conjunction with a centralized UPS, the Power-over-Ethernet Hub can provide uninterrupted availability of power to your wireless LAN—even in the event of power failure.



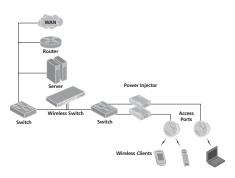
# Specification Highlights

Physical Characteristics		
Dimensions:	11.9 in. L x 17 in. W x 1.75 in. H/302 mm L x 433 mm W x 44 mm H	
Weight:	8.8 lbs/4.0 Kg	
Mounting Options:	Desktop or 19" Rack-Mount	
Indicators: System Indicator User Indicator	AC Power (Green), Alarm (Orange) Channel Power (Green), Alarm (Orange)	
Number of Ports:	12	
Port Types:	10/100 Mbps	
Part Number:	AP-PSBIAS-T-12-AF	
<b>Environmental Conditions</b>		
Operating Temperature:	32° to 104° F/0° to 40° C	
Operating Humidity:	10 to 90% (no condensation allowed)	
Storage Temperature:	-4° to 158° F/-20° to 70° C	
Storage Humidity:	10 to 90% (no condensation allowed)	
Operating Altitude:	0.34 to 10,000 ft./-400 to 3048 m	
Thermal Rating		
Thermal Rating:	Vin=100VAC @ Full Load	
Input Specifications		
AC Input Voltage:	90 to 264 VAC (47-63 Hz)	
DC Input Voltage:	DC Power Supply Input: -46 to -57 VDC	
Input Current: At 110 VAC At 220 VAC	0.34 A (max) 0.17 A (max)	
Connectors:	Shielded RJ-45, EIA 568A and 568B, DB-9 Female	
Output Specifications		
Pin Assignments:	Power Feeding 4/5, 7/8	
Nominal Output Voltage (per Access Port):	44 to 52 VDC	
Total Max Output Power:	16.8 W per Access Port (15.4 W min.)	
Compatibility		
Supported Products:	Access Port; 802.3af-based devices	
Regulatory		
Compliance:	CE Compliance	
Electromagnetic Emission:	FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	
Safety:	UL 60950, CSA C22.2 No. 60950, EN60950/IEC 950, CB Certification	CE

# **Power Injector**



The single-port Power Injector provides the benefits of Power-over-Ethernet for individual Symbol Access Ports. The Power Injector connects to your Ethernet switch and power and data is then transmitted to the Access Port via the Ethernet cable. The Power Injector supplies effective independent overload and short circuit protection per port. The Power Injector provides a cost-effective power solution for your small-site deployment by supplying power directly to Access Ports from a central location using current LAN infrastructure.



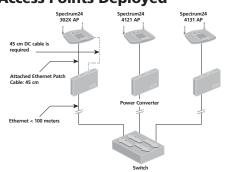
#### **Specification Highlights**

Physical Characteristics         Dimensions:       1.51 in. H x 4.17 in. W x 5.51 in. D/38.5 mm H x 106 mm W x 140 mm D         Weight:       0.55 lbs/250 g         Mounting Options:       Desktop         Indicators:       System Indicator         System Indicator       Main Power Indications (Green LED)         User Indicator       Port Status Indications (Green and Orange LEDs)         Number of Ports:       1         Port Type:       10/100 Mbps         Part Number:       AP-PBIAS-T-1P-48         Environmental Conditions       Operating Temperature:         Operating Temperature:       32* to 132* F/0* to 50* C         Operating Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* F/20* to 70* C         Storage Temperature:       4* to 158* K/20* to 70* C         Storage Temperature:       4* to 10* do VAC (60+50 Hz)         Input Sori	opeenieacion inginigita	
Weight:         0.55 lbs/250 g           Mounting Options:         Desktop           Indicators:         System Indicator           System Indicator         Main Power Indications (Green LED)           User Indicator         Port Status Indications (Green and Orange LEDs)           Number of Ports:         1           Port Type:         10/100 Mbps           Part Number:         AP-PBIAS-T-IP-48           Environmental Conditions         Comperating Temperature:           Operating Temperature:         32 to 122° F/0° to 50° C           Operating Humidity:         10 to 90% (no condensation allowed)           Storage Temperature:         4° to 158° F/-20° to 70° C           Storage Humidity:         10 to 90% (no condensation allowed)           Input Specifications         Input Ostigae:           Input Voltage:         90 to 264 VAC (47-63 Hz)           Input Inrush Current:         110 to 240 VAC (60-50 Hz)           Input Inrush Current:         110 to 240 VAC (60-50 Hz)           Input Ototage:         90 to 264 VAC (47-63 Hz)           Input Ototage:         0.17 A (max)           Input Orush         R-5 female socket           Output Inrush Current:         A1 to 20 VAC (60-50 Hz)           Input Orush         R-5 female socket	Physical Characteristics	
Mounting Options:         Desktop           Indicators:         System Indicator         Main Power Indications (Green LED)           User Indicator         Port Status Indications (Green and Orange LEDs)           Number of Ports:         1           Port Type:         10/100 Mbps           Part Number:         AP-PBIAS-T-IP-48           Environmental Conditions         Generation           Operating Temperature:         32° to 122° F/0° to 50° C           Operating Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         -4° to 158° F/-20° to 70° C           Storage Temperature:         10 to 90% (no condensation allowed)           Input Vortage:         9 to 264 VAC (47-63 Hz)           Input Inrush Current:         110 to 240 VAC (60-50 Hz)           Input Unrush Current:         110 to 240 VAC (60-50 Hz)           Input (Data in):         R-J5 female socket           Output (Data in):         R-J5 female socket           Output (Data in):         R-J5 female socket <t< td=""><td>Dimensions:</td><td>1.51 in. H x 4.17 in. W x 5.51 in. D/38.5 mm H x 106 mm W x 140 mm D</td></t<>	Dimensions:	1.51 in. H x 4.17 in. W x 5.51 in. D/38.5 mm H x 106 mm W x 140 mm D
Indicators: System Indicator Main Power Indications (Green LED) User Indicator Port Status Indications (Green and Orange LEDs) Number of Ports: 1 Port Type: 10/100 Mbps Part Number: AP-PBIAS-T:1P-48 Environmental Conditions Operating Temperature: 32° to 122° F/0° to 50° C Operating Temperature: 32° to 122° F/0° to 50° C Operating Temperature: 42° to 158° F/-20° to 70° C Storage Temperature: 90 to 254 VAC (47-63 Hz) Input Specifications Input Voltage: 90 to 254 VAC (47-63 Hz) Input Voltage: 90 to 254 VAC (47-63 Hz) Input Voltage: 90 to 254 VAC (47-63 Hz) Input Voltage: 80 to 254 VAC (47-63 Hz) Input Voltage: 90 to 254 VAC (47-63 Hz) Input Current: At 110 VAC 0.34 A (max) At 120 VAC 0.17 A (max) Input Specifications Output (Data & Power out): Ethernet 10/1008ase-T, plus 48 VDC (RL-5 Temale socket, with DC voltage on wire pairs 7-8 and 4-5) Nominal Output Voltage: 44 to 52 VDC Output Power: 10 W Compatibility Supported Products: Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter) Regulatory Compliance: CE Compliance Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55022 Lass B, EN55024	Weight:	0.55 lbs/250 g
System Indicator         Main Power Indications (Green LED) Port Status Indications (Green and Orange LEDs)           Number of Ports:         1           Nort Type:         0/100 Mbps           Part Number:         AP-PBIAS-T:1P-48           Environmental Conditions:         0           Operating Humidity:         10 to 90% (no condensation allowed)           Operating Humidity:         10 to 90% (no condensation allowed)           Storage Temperature:         -4* to 158* F/-20* to 70* C           Operating Humidity:         10 to 90% (no condensation allowed)           Storage Temperature:         -4* to 158* F/-20* to 70* C           Storage Storage Storage Storage Temperature:         -4* to 158* F/-20* to 70* C           Input Expectifications:         10 to 90% (no condensation allowed)           Input Current:	Mounting Options:	Desktop
Úser IndicatorPort Status Indications (Green and Orange LEDs)Number of Ports:1Port Type:10/100 MbpsPort Type:10/100 MbpsPart Number:AP-PBIAS-T1P-48Environmental Conditions22° to 122° F/0° to 50° COperating Temperature:22° to 122° F/0° to 50° COperating Humidity:10 to 90% (no condensation allowed)Storage Temperature:-4° to 158° F/-20° to 70° CStorage Humidity:10 to 90% (no condensation allowed)Input Specifications00 (no condensation allowed)Input Specifications10 to 240 VAC (47-63 Hz)Input Voltage:90 to 240 VAC (47-63 Hz)Input Inrush Current:110 to 240 VAC (50-50 Hz)At 100 VAC0.34 A (max)At 220 VAC0.17 A (max)Input (Data in):RJ-5 female socketOutput Ipase:10 WComparison(RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)Nominal Output Voltage:4 to 52 VDCOutput Rower:10 WComparisonAccess Porit, Spectrum24 Ht 302X (when used with Power Converter)Supported Products:CE ComplianceEdectoringCE ComplianceEdectoringCE ComplianceElectoringCE ComplianceElectoringWC 600 Coltas B, EN55022 Class B, EN55024ElectoringWC 600 Coltas B, EN55024 Class B, EN55024ElectoringWC 600 Coltas B, EN55024 Class B, EN55024ElectoringWC 600 Coltas ElectoringElectoringWC 600 Coltas ElectoringMorin	Indicators:	
Number of Ports:       1         Port Type:       10/100 Mbps         Part Number:       AP-BLAS-T-IP-48         Environmental Conditions       Operating Temperature:         22° to 122° F/0° to 50° C         Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications       Input Specifications         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Voltage:       90 to 264 VAC (60-50 Hz)         Input Voltage:       90 to 264 VAC (60-50 Hz)         Input Qurent:       -110 to 240 VAC (60-50 Hz)         At 210 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input Quata in):       RJ-5 female socket         Output (Data & Power out):       Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:         Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory		
Part Type:       10/100 Mbps         Part Number:       AP-PBIA5-T-1P-48         Environmental Conditions       Depreting Temperature:         32* to 122* F/0* to 50° C         Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Storage Temperature:       4* to 158° F/-20° to 70° C         Input Storage Temperature:       4* to 158° F/-20° to 70° C         Input Storage Temperature:       10 to 200 VAC (60-50 Hz)         Input Current:       11 to 240 VAC (60-50 Hz)         Input Current:       X 110 VAC         At 220 VAC       0.17 A (max)         Input Specifications       Coutput (Data in):         Output Sterifications       Color VC         Output Voltage:       4 to 52 VDC         Output Voltage:       4 to 52 VDC         Output Power:       10 W		
Part Number:       AP-PBIAS-T-IP-48         Environmental Conditions         Operating Temperature:       32° to 122° F/0° to 50° C         Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       10 to 90% (no condensation allowed)         Input Specifications       Input Current:         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Current:       110 to 240 VAC (60-50 Hz)         Input Current:       A1 10 to 240 VAC (60-50 Hz)         Input Current:       A1 10 to 240 VAC (60-50 Hz)         Input Oltata & Power out):       Riber to 10/100Base-T, plus 48 VDC (RJ-5 female socket         Output Voltage:       40 to 52 VDC         Output Voltage:       44 to 52 VDC         Output Power:       10 W		
Environmental Conditions         Operating Temperature:       32° to 122° F/0° to 50° C         Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications       -         Input Specifications       -         Input Notage:       90 to 264 VAC (47-63 Hz)         Input Current:       110 to 240 VAC (60-50 Hz)         Input Current:       -         At 100 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       R-5 female socket         Output Specifications       -         Output Specifications       -         Output Oata & Power out):       Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Access Port; Spectrum24 H1x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Ce Compliance         Electromagnetic Emission:		-
Operating Temperature:       32° to 122° F/0° to 50° C         Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications       Input Noltage:         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Inrush Current:       110 to 240 VAC (60-50 Hz)         Input Current:       At 100 VAC         At 120 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Detrover out):       Ethernet 10/100Base-T, plus 48 VDC         (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Ce Compliance         Electromagnetic Emission:       FC Part 15 Class B/CE5 003 Class B, EN55022 Class B, EN55024		AP-PBIAS-T-1P-48
Operating Humidity:       10 to 90% (no condensation allowed)         Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Inrush Current:       110 to 240 VAC (60-50 Hz)         Input Current:       110 to 240 VAC (60-50 Hz)         Input Current:       41 10 VAC         At 120 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications       (RI-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:         Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       CE Compliance         CE Compliance       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B//CES 003 Class B, EN55022 Class B, EN55024		
Storage Temperature:       -4° to 158° F/-20° to 70° C         Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Inrush Current:       110 to 240 VAC (60-50 Hz)         Input Current:       110 to 240 VAC (60-50 Hz)         Input Current:	Operating Temperature:	32° to 122° F/0° to 50° C
Storage Humidity:       10 to 90% (no condensation allowed)         Input Specifications         Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Inrush Current:       110 to 240 VAC (60-50 Hz)         Input Current:       At 110 VAC         At 120 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications       Output Specifications         Output Specifications       Output Voltage:         Output Voltage:       44 to 52 VDC         Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:         Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       CE Compliance         CE Insolution:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	Operating Humidity:	10 to 90% (no condensation allowed)
Input Specifications Input Voltage: 90 to 264 VAC (47-63 Hz) Input Inrush Current: 110 to 240 VAC (60-50 Hz) Input Current: At 110 VAC 0.34 A (max) At 220 VAC 0.17 A (max) Input (Data in): RJ-5 female socket Output Specifications Output Specifications Output Specifications Output Voltage: 44 to 52 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5) Nominal Output Voltage: 44 to 52 VDC Output Power: 10 W Compatibility Supported Products: Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter) Regulatory Compliance: CE Compliance Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55024 Software UI (Data S, Car 2 a) No, E00ED ENEODED/IEC 8ED CR Contification	Storage Temperature:	-4° to 158° F/-20° to 70° C
Input Voltage:       90 to 264 VAC (47-63 Hz)         Input Inrush Current:       110 to 240 VAC (60-50 Hz)         Input Current:       At 110 VAC         At 110 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications       0         Output Specifications       (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B //CES 003 Class B, EN55022 Class B, EN55024	Storage Humidity:	10 to 90% (no condensation allowed)
Input	Input Specifications	
Input Current:       At 110 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications         Output (Data & Power out):       Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Compliance:         Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55024         Sofutor:       FCC Part 15 Class B/ICES 003 Class B, EN55024	Input Voltage:	90 to 264 VAC (47-63 Hz)
At 110 VAC       0.34 A (max)         At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications       (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Compliance:         CE Compliance       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	Input Inrush Current:	110 to 240 VAC (60-50 Hz)
At 220 VAC       0.17 A (max)         Input (Data in):       RJ-5 female socket         Output Specifications	Input Current:	
Input (Data in): RJ-5 female socket Output Specifications Output (Data & Power out): Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5) Nominal Output Voltage: 44 to 52 VDC Output Power: 10 W Compatibility Supported Products: Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter) Regulatory Compliance: CE Compliance Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024 Safebric: UII 60050. CSA C32 3 No. 60050. EN60050/IEC 950. CB. Cartification		
Output Specifications         Output (Data & Power out):       Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory         Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024         Safebra:       Ull 60050. (SA C32 3 No. 60050, EN60050/IEC 950. CB. Certification		
Output (Data & Power out):       Ethernet 10/100Base-T, plus 48 VDC (RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory         Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	1 1 1	RJ-5 female socket
(RJ-5 female socket, with DC voltage on wire pairs 7-8 and 4-5)         Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility         Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory         Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024		
Nominal Output Voltage:       44 to 52 VDC         Output Power:       10 W         Compatibility       Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	Output (Data & Power out):	
Output Power:       10 W         Compatibility       Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024	Neminal Quénué Valéana	
Compatibility Supported Products: Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter) Regulatory Compliance: CE Compliance Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024 Software: UI 60850 CSA C32 3 No 60850 EN60850/IEC 950 CR Cartification		
Supported Products:       Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)         Regulatory       Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024         Safety:       UL 60950_CSA_C32 3 No_60950_EN60950/IEC 950_CR_Contification		
Regulatory         Compliance:       CE Compliance         Electromagnetic Emission:       FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024         Sofety:       UL 60950_CSA C32 2 No. 60950_EN60950/IEC 950_CR_Contification		
Compliance: CE Compliance Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024		Access Port; Spectrum24 41x1 Access Point; Spectrum24 FH 302X (when used with Power Converter)
Electromagnetic Emission: FCC Part 15 Class B/ICES 003 Class B, EN55022 Class B, EN55024		
Stature III 60050 CSA C22.2 No. 60050 EN60050/IEC 050 CP Contification	· · · · · · · · · · · · · · · · · · ·	
Safety: UL 60950, CSA C22.2 No. 60950, EN60950/IEC 950, CB Certification	T	
	Safety:	UL 60950, CSA C22.2 No. 60950, EN60950/IEC 950, CB Certification

### Power Converter for Spectrum24 802.11b or Frequency Hopping Access Points Deployed in Powered Switch-based Wired LAN Environments



The Power Converter enables seamless integration of Symbol's award-winning Spectrum24 802.11b wireless LAN infrastructure with industry-leading wired LAN powered switches, providing power and data to Spectrum24 802.11b or 802.11 Frequency Hopping Access Points. The Power Converter supports Cisco proprietary Power-over-Ethernet, as well as 802.3af discovery methods.



## Specification Highlights

Physical Characteristics		
Dimensions:	4.8 in. H x 3.0 in. W x 1.26 in. D/12.2 cm H x 7.6 cm W x 3.2 cm D	
Weight:	7.5 oz/2.13 g	
Mounting Options	Lie flat in ceiling; Fastened to wall; Fastened to ceiling	
Number of Ports:	1	
Port Types:	10/100 Mbps	
Part Number:	AP-PCNV-4818	
<b>Environmental Conditions</b>		
Operating Temperature:	-4° to 131° F/-20° to 55° C	
Operating Humidity:	10 to 95% (no condensation allowed)	
Storage Temperature:	-40° to 158° F/-40° to 70° C	
Storage Humidity:	10 to 85% (no condensation allowed)	
Operating Altitude	-1,000 to 8,000 ft./-304.8 to 2,438 m	
Input Specifications		
Input Voltage:	36 to 57 VDC (48V nominal input)	
Input/Output Isolation:	150 VAC per IEEE 802.3	
Connectors:	RJ-45 (2) for Ethernet to Access Point and from Powered Switch or Mid-Span device	
Output Specifications		
Nominal Output Voltage:	18V	
Output Current Rating:	Maximum 0.38 Amps	
Compatibility		
Supported Products: Power Solutions/Hubs	Access Port; Spectrum24 4131 Access Point; Spectrum24 4121 Access Point; Spectrum24 3021 Access Point Cisco 3524-PLOR-XL, Cisco Power Injectors, Cisco Power Hub, Symbol 12-Port Power Distribution, Symbol Power Injector; other 802.3af-based Power Sources	
Regulatory		
Compliance:	CE Compliance	
Electromagnetic Emission and Immunity:	FCC Part 15/ICES 003 Class B	
Safety:	UL 60950, CSA C22.2 No. 60950, EN60950/IEC 950, UL 2043, Second Edition, 1996	CE



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