# **PoE Extenders**

#### specifications

The PoE Extenders shall deliver 10/100Mbps full duplex data and shall deliver up to 50 W PoE at lengths up to 2000 ft. (610m) over standard 2-or 4-pair twisted-pair cable. The PoE Extenders shall reduce the additional costs and disruptions associated with other products or solutions.



## technical information

Part Number	POEXTX1	POEXRX1			
Model type:	Transmitter	Receiver			
Dimensions:	3.51" × 1.98" × 1.01" (L×W×H)	·			
	$8.91$ cm $\times$ $5.03$ cm $\times$ $2.57$ cm (L $\times$ W $\times$ H)				
Weight:	4 oz. (114g)				
Interface on both sides:	1 RJ45 port to 1 RJ45 port				
Power consumption:	1.5 W				
RoHS compliance:	Compliant				
UL rated:	UL 60950-1				
Data support capability:	Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps)	be capable of transmitting at the or 10Mbps) or 100BASE-TX (for			
PoE support capability:	End IP device must be IEEE 802.3af/a	t compliant			
<b>Operating temperature:</b>	-40°F to 158°F (-40°C to 70°C)				
Mean time before failure: (MTBF)	20+ years				
Humidity:	10% to 95% (non-condensing) at $35^\circ$	0			
Cable requirements:	Required: 24 AWG 2-pair Category 56 Recommended: 23 AWG 4-pair Category	e gory 6			
Supported data rate:	10/100Mbps full duplex				
<b>Optional Power Supply:</b>	The PoE Extenders will accept an optional power supply with an output of 55 VDC, 2 amperes (37 to 56 VDC required, 48 to 55 VDC recommended)				
		fulled, 40 to 55 VDO recommended)			
Part Number	POEXTX1	POEXRX4			
Part Number Model type:	POEXTX1 Transmitter	POEXRX4 Receiver			
Part Number Model type: Dimensions:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H)	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H)			
Part Number Model type: Dimensions: Weight:	POEXTX1           Transmitter           3.51" × 1.98" × 1.01" (L×W×H)           8.91cm × 5.03cm × 2.57cm (L×W×H)           4 oz. (14g)	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g)			
Part Number Model type: Dimensions: Weight: Interface on both sides:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port	POEXRX4           Receiver           3.88" × 3.80" × 1.01" (L×W×H)           9.86cm × 9.66cm × 2.57cm (L×W×H)           7.6 oz. (214g)           1 RJ45 port to 4 RJ45 ports			
Part Number Model type: Dimensions: Weight: Interface on both sides: Power consumption:	POEXTX1           Transmitter           3.51" × 1.98" × 1.01" (L×W×H)           8.91cm × 5.03cm × 2.57cm (L×W×H)           4 oz. (14g)           1 RJ45 port to 1 RJ45 port           1.5 W	POEXRX4           Receiver           3.88" × 3.80" × 1.01" (L×W×H)           9.86cm × 9.66cm × 2.57cm (L×W×H)           7.6 oz. (214g)           1 RJ45 port to 4 RJ45 ports			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port 1.5 W Compliant	POEXRX4           Receiver           3.88" × 3.80" × 1.01" (L×W×H)           9.86cm × 9.66cm × 2.57cm (L×W×H)           7.6 oz. (214g)           1 RJ45 port to 4 RJ45 ports			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:	POEXTX1         Transmitter         3.51" × 1.98" × 1.01" (L×W×H)         8.91cm × 5.03cm × 2.57cm (L×W×H)         4 oz. (14g)         1 RJ45 port to 1 RJ45 port         1.5 W         Compliant         UL 60950-1	POEXRX4           Receiver           3.88" × 3.80" × 1.01" (L×W×H)           9.86cm × 9.66cm × 2.57cm (L×W×H)           7.6 oz. (214g)           1 RJ45 port to 4 RJ45 ports			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:	POEXTX1           Transmitter           3.51" × 1.98" × 1.01" (L×W×H)           8.91cm × 5.03cm × 2.57cm (L×W×H)           4 oz. (14g)           1 RJ45 port to 1 RJ45 port           1.5 W           Compliant           UL 60950-1           Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps)	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port 1.5 W Compliant UL 60950-1 Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps) End IP device must be IEEE 802.3af/a	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for tt compliant			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:Operating temperature:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port 1.5 W Compliant UL 60950-1 Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps) End IP device must be IEEE 802.3af/a -40°F to 158°F (-40°C to 70°C)	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for at compliant			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:Operating temperature:Mean time before failure:(MTBF)	POEXTX1           Transmitter           3.51" × 1.98" × 1.01" (L×W×H)           8.91cm × 5.03cm × 2.57cm (L×W×H)           4 oz. (14g)           1 RJ45 port to 1 RJ45 port           1.5 W           Compliant           UL 60950-1           Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps)           End IP device must be IEEE 802.3af/a           -40°F to 158°F (-40°C to 70°C)           20+ years	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for at compliant			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:Operating temperature:Mean time before failure:(MTBF)Humidity:	POEXTX1         Transmitter         3.51" × 1.98" × 1.01" (L×W×H)         8.91cm × 5.03cm × 2.57cm (L×W×H)         4 oz. (14g)         1 RJ45 port to 1 RJ45 port         1.5 W         Compliant         UL 60950-1         Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps)         End IP device must be IEEE 802.3af/a         -40°F to 158°F (-40°C to 70°C)         20+ years         10% to 95% (non-condensing) at 35°	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for at compliant			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:Operating temperature:Mean time before failure:(MTBF)Humidity:Cable requirements:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port 1.5 W Compliant UL 60950-1 Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps) End IP device must be IEEE 802.3af/a -40°F to 158°F (-40°C to 70°C) 20+ years 10% to 95% (non-condensing) at 35° Required: 24 AWG 2-pair Category 56 Recommended: 23 AWG 4-pair Category 56	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for tt compliant C gory 6			
Part NumberModel type:Dimensions:Weight:Interface on both sides:Power consumption:RoHS compliance:UL rated:Data support capability:PoE support capability:Operating temperature:Mean time before failure:(MTBF)Humidity:Cable requirements:Supported data rate:	POEXTX1 Transmitter 3.51" × 1.98" × 1.01" (L×W×H) 8.91cm × 5.03cm × 2.57cm (L×W×H) 4 oz. (14g) 1 RJ45 port to 1 RJ45 port 1.5 W Compliant UL 60950-1 Switch and End IP Device must both same data rate of either 10BASE-T (for 100Mbps) End IP device must be IEEE 802.3af/a -40°F to 158°F (-40°C to 70°C) 20+ years 10% to 95% (non-condensing) at 35° Required: 24 AWG 2-pair Category 56 Recommended: 23 AWG 4-pair Category 56 Complex AWG 4-pa	POEXRX4 Receiver 3.88" × 3.80" × 1.01" (L×W×H) 9.86cm × 9.66cm × 2.57cm (L×W×H) 7.6 oz. (214g) 1 RJ45 port to 4 RJ45 ports be capable of transmitting at the or 10Mbps) or 100BASE-TX (for at compliant C agory 6			

PoE length and guidelines, see tables located on page 2 of specification sheet.



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	ort Extender Kit includes:
1 × POEXTX1:	1-port transmitter box
1 × POEXRX1:	1-port receiver box
1 × 60 W, 55 V:	Power supply
POEXKIT1-NP:	PoE Extenders Kit, includes 1-port transmitter and receiver box, 60 W power supply, no power plug
POEXKIT4: 4-pe	ort Extender Kit includes:
1 × POEXTX1:	1-port transmitter box
1 × POEXRX4:	4-port receiver box
1 × 110 W, 55 V:	Power supply
POEXKIT4-NP:	PoE Extenders Kit, includes 1-port transmitter and receiver box, 110 W power supply, no power plug
PoE Patch Pan	el
POEXPANEL-BL:	Long Reach PoE Extender Rack, Black
PoE Extender 7	<i>Transmitters</i>
POEXTX1:	1-port transmitter box
PoE Extender F	Receivers
POEXRX1:	1-port receiver box
Field-term Plug	IS
RJ45 Plug, 4-pair Category 5e, 6,	r J
6A compatible:	FP6X88MTG
UTP Copper Ca	ıble
PUO6C04BL-CEG	Category 6 Outside plant (OSP), 1,000 ft. Reel
PUP6004BU-WLF	Category 6 Plenum (CMP), 1,000 ft. Reel
PUR6004BU-W:	Category 6 Riser (CMR), 1,000 ft. Reel
UTP Patch Core	d
UTP Patch Core UTPSP*Y:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs
UTP Patch Core UTPSP*Y: Tools and Acce	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories
UTP Patch Cord UTPSP*Y: Tools and Acce EGJT-1:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG)
UTP Patch Corr UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU)
UTP Patch Cort UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F: C13CORD-G:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs Ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU) Power Cord, 3-pin, 10A, 2m IEC320-C13 to BS1363A (UK)
UTP Patch Cort UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F: C13CORD-G: C13CORD-I:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU) Power Cord, 3-pin, 10A, 2m IEC320-C13 to BS1363A (UK) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (China)
UTP Patch Cort UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F: C13CORD-G: C13CORD-I: C13CORD-I:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU) Power Cord, 3-pin, 10A, 2m IEC320-C13 to BS1363A (UK) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (China) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (Americas)
UTP Patch Cort UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F: C13CORD-G: C13CORD-I: C13CORD-I: POWER-60W:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU) Power Cord, 3-pin, 10A, 2m IEC320-C13 to BS1363A (UK) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (China) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (Americas) Power Supply 60 W C14M AC-55VDC 1.1A P2.1X5.5MM
UTP Patch Cor UTPSP*Y: Tools and Acce EGJT-1: C13CORD-F: C13CORD-G: C13CORD-I: C13CORD-I: POWER-60W: POWER-110W:	d Category 6, UTP with TX6 <sup>™</sup> Modular Plugs ssories (for FP6X88MTG) Power Cord, 3-pin, 10A, 2m IEC320-C13 to CEE 7/7 (EU) Power Cord, 3-pin, 10A, 2m IEC320-C13 to BS1363A (UK) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (China) Power Cord, 3-pin, 10A, 2m IEC320-C13 to GB2099 (Americas) Power Supply 60 W C14M AC-55VDC 1.1A P2.1X5.5MM Power Supply 110 W C14M AC-55VDC 2.0A P2.1X5.5MM

\*For lengths 1 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length.

For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) before the Y at the end of the part number.

For example, the part number for a blue 15-foot patch cord is UTPSP15BUY.

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## key features and benefits

Low cost of installation:	Significant cost savings compared to fiber cable and media convertors option or other options in the market
4-port option:	Can power and provide data for up to 4 IP devices in one cable run. Applicable for entry way applications to power cameras, access card readers and VoIP phones.
Compatibility with existing PoE or non-PoE switches:	These extenders fit very easily into an existing infrastructure and help extend PoE over the standard 100m range
Uses standard twisted 4-pair cable:	Does not require the usage of specialized cables such as hybrid copper/fiber cables
RJ45 interface:	Utilizes standard RJ45 interfaces which makes it easy for field terminations of copper cable being used to transmit PoE
Individually serialized:	Marked with quality control number for future traceability
Doubles as PoE injectors:	Optional external power supply option helps to inject power into the channel when non-PoE switch is being used
Small profile:	Small size makes it fit into smaller spaces like a base of a light pole

### applications

PoE extenders are best suited for providing power and 100Mbps data to IEEE 802.3af/at compliant devices such as cameras, VoIP phones, access card readers, PoE lights and others, at a distance beyond the standard 100m channel.



#### additional specifications

EMC:	Emission (Class A for POEXRX4 and Class B for POEXRX1 and POEXTX1) EN 55032:2012, FCC Part 15, EN 5021-4:2015 (POEXRX4, POEXRX1, and POEXTX1) Immunity: EN 55024:2010, EN 50121-4:2015 (POEXRX4, POEXRX1, and POEXTX1)
Safety:	CSA C22.2 No. 60950-1-07 2nd Ed 2014-10 IEC 60950-1:2005 + A1 + A2, EN 60950-1:2006 + A11 + A12 + A1 + A2

#### terms used

2-pair:	In a PoE system, power is provided on only 2 of the Ethernet pairs of wires. Standards based systems use Mode A or Mode B, but not both.
4-pair:	In a PoE system, power is provided on all 4 of the Ethernet pairs of wires. Standards based systems will provide both Mode A and Mode B power delivery. Power loss in a 4-pair PoE system is usually half that in a 2-pair PoE system.
Class:	In a PoE system, powered devices (PDs) are specified by class, based on the power they consume, their under-voltage lockout (UVLO) and whether they are 2-pair or 4-pair devices.
Mode A:	In a PoE 2-pair system, power is supplied on Ethernet connector pins 12 and 36.
Mode B:	In a PoE 2-pair system, power is supplied on Ethernet connector pins 45 and 78.
Powered Device: (PD)	In a PoE system, these devices draw power from the source, or PSE. Currently, there are up to eight "classes" of powered devices enumerated in the PoE standards.
Power Sourcing Equipment: (PSE)	In a PoE system, this device transmits power to the system. Currently, there are four "types" of PSE enumerated in the PoE standards.
Under-Voltage Lock Out: (UVLO)	In power systems, this is the voltage threshold below which a device no longer operates. Most PoE systems have UVLO of about 30 volts. If the PoE voltage drops below 30V, the power devices (PDs) may stop operating.

#### power supply options

Power supply options show the power available at the Powered Device (PD).

Scenario 1: 1-port (POEXTX1) Transmitter Box Powered by 50 W Power Sourcing Switch (assuming 55 VDC output)

			Under Voltage	Under Voltage		TX1 - RX1 - Cat	ole Distance (Ft.)	
PoE Class	Standard	Max Wattage at PD	Lockout at PD	PSE - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX1 - PD	
1	802.3af	3.84	37		2000	2000		
2	802.3af	6.49	37		2000	2000	]	
3	802.3af	12.95	37	50 ft	1791	1303	50.#	
4	802.3at	25.5	42	50 11.	1257	914	50 11.	
5	802.3bt	N/A	N/A		N/A	N/A		
6	802.3bt	N/A	N/A		N/A	N/A	]	

Scenario 2: 1-port (POEXTX1) Transmitter Box Locally Powered (55 VDC output)

			Under Voltage		TX1 - RX1 - Cab	ole Distance (Ft.)	
PoE Class	Standard	Max Wattage at PD	Lockout at PD	SW - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX1 - PD
1	802.3af	3.84	37		2000	2000	
2	802.3af	6.49	37	]	2000	2000	
3	802.3af	12.95	37	1.1	1798	1303	50.4
4	802.3at	25.5	42		1263	915	50 π.
5	802.3bt	N/A	N/A		N/A	N/A	
6	802.3bt	N/A	N/A		N/A	N/A	

Scenario 3: 1-port (POEXRX1) Receiver Box Locally Powered (PoE Switch at head end)

			Under Voltage		TX1 - RX1 - Cab	ole Distance (Ft.)	
PoE Class	Standard	Max Wattage at PD	Lockout at PD	PSE - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX1 - PD
1	802.3af	3.84	37		2000	2000	
2	802.3af	6.49	37	]	2000	2000	]
3	802.3af	12.95	37	50.#	2000	2000	50.#
4	802.3at	25.5	42	50 ft.	2000	2000	50 ft.
5	802.3bt	40	42		2000	2000	
6	802.3bt	N/A	N/A	]	N/A	N/A	]

Scenario 1: 1-port (POEXTX1) Transmitter Box Powered by 50 W Power Sourcing Switch (assuming 55 VDC output)

PoE Class		Total Wattage Availabe	Under Voltage		TX1 - RX4 - Cab	le Distance (Ft.)	
(4-ports)	Standard	for PD(s)*	Lockout at PD	PSE - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX4 - PD(s)
1	802.3af	15.36	37		2000	2000	
2	802.3af	25.96	37		1791	1303	
3	802.3af	N/A	N/A	50 ft	N/A	N/A	50 ft
4	802.3af	N/A	N/A	30 11.	N/A	N/A	50 n.
5	802.3bt	N/A	N/A	]	N/A	N/A	
6	802.3bt	N/A	N/A	]	N/A	N/A	

\* Total wattage available refers to the maximum amount of power available at the PD. For example, in Class 2 scenario above which shows 25.96 W available this can support four Class 2 devices or two Class 3 devices.

Scenario 2: 1-port (POEXTX1) Transmitter Box Locally Powered (55 VDC output)

PoE Class		Total Wattage Availabe	Under Voltage		TX1 - RX4 - Cab	le Distance (Ft.)	
(4 ports)	Standard	for PD(s)*	Lockout at PD	SW - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX4 - PD(s)
1	802.3af	15.36	37		2000	2000	
2	802.3af	25.96	37		1798	1303	
3	802.3af	N/A	N/A	Up to 100m	N/A	N/A	50 ft
4	802.3af	N/A	N/A		N/A	N/A	0011.
5	802.3bt	N/A	N/A		N/A	N/A	
6	802.3bt	N/A	N/A	]	N/A	N/A	]

\*Total wattage available refers to the maximum amount of power available at the PD. For example, in Class 2 scenario above which shows 25.96 W available this can support four Class 2 devices or two Class 3 devices.

Scenario 3: 4-port (POEXRX4	<ol> <li>Receiver Box Locall</li> </ol>	ly Powered (PoE Swite	h at head end
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PoE Class		Total Wattage	Under Voltage		TX1 - RX4 - Cab	ole Distance (Ft.)	
(4 ports)	Standard	Available for PD(s)*	Lockout at PD	PSE - TX1	23 AWG 1.04Ω/100 Ft.	24 AWG 1.43Ω/100 Ft.	RX4 - PD(s)
1	802.3af	15.36	37		2000	2000	
2	802.3af	25.96	37		2000	2000	
3	802.3af	51.8	37	50 #	2000	2000	50 0
4	802.3af	102	42	50 11.	2000	2000	50 11.
5	802.3bt	N/A	N/A		N/A	N/A	
6	802.3bt	N/A	N/A		N/A	N/A	

\*Total wattage available refers to the maximum amount of power available at the PD. For example, in Class 2 scenario above which shows 25.96 W available this can support four Class 2 devices or two Class 3 devices.

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# **PoE Extenders**

## 1-port transmitter



Dimensions are in inches. [Dimensions in brackets are metric].

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#### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA Phone: 800.777.3300 PANDUIT EUROPE LTD. London, UK Phone: 44.20.8601.7200

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[96.6]

PANDUIT SINGAPORE PTE. LTD. Republic of Singapore Phone: 65.6305.7575

PoE Extenders

3.6 [91.8]·

PANDUIT

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Port RECEIVER (100 Mbps)

PANDUIT JAPAN Tokyo, Japan Phone: 81.3.6863.6000

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PANDUIT LATIN AMERICA Guadalajara, Mexico Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD. Victoria, Australia Phone: 61.3.9794.9020

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