

## What are Lightning and Surge Protectors?

Lightning and surge protectors are devices whose purpose is to eliminate transients on a conductor which are induced by nearby lightning activity. They are used to prevent damage to valuable electronic equipment from these high-voltage surges and spikes.

# Lightning/Surge Protectors Tutorial

### How are Lightning and Surge Protectors used?

A lightning and surge protector is used inline between devices such as antennas and amplifiers and radios or between connections on Ethernet switches and routers. They are connected via copper cabling (Coaxial, UTP etc.).

# Where are Lightning and Surge Protectors used?

Lightning and surge protectors are used in many different applications including outdoor wireless networks, indoor Ethernet network installations and in any instance where the potential for a power surge could damage or destroy communications equipment.

Coax Cable

## Don't let lightning destroy your network!



A single bolt of lightning carrying up to 100 million volts of electricity has the power to rip through roofs, explode brick walls and destroy electronic networking/communications equipment as well as industrial equipment. Don't be fooled into a false sense of security if you never receive direct strikes. Indirect lightning strikes on telephone and power lines can be just as catastrophic! Protect your valuable communications equipment with L-com's HyperLink<sup>®</sup> brand surge protectors.

## **Coaxial Lightning and Surge Protectors**

L-com's HyperLink  $^{\otimes}$  coaxial lightning and surge protectors are available in two types, Quarter Wave and Gas Discharge models.

Quarter Wave coaxial protectors are designed to pass the desired frequency while suppressing lightning surges, much like a signal filter. Lightning strike electrical surges which operate at low frequencies are diverted through the protector's short-circuit to the ground.

Gas Discharge coaxial protectors are a type of lightning arrestor which employs a replaceable gas discharge tube, which is a component

containing a small amount of gas. The gas tube dumps extremely high amounts of surge energy directly to the ground of the protector. HyperLink<sup>®</sup> coaxial lightning protectors are available for 0-3 GHz operation or 0-6 GHz operation.

## **Data Line Lightning and Surge Protectors**

The use of surge protectors to protect sensitive equipment from lightning strikes and surges on Ethernet data lines has become more important than ever with the advent of faster standards like 100 and 1000 Base-T Ethernet. The faster data speeds have required equipment manufacturers to use fragile high speed components.

Designed for Cat5, Cat5e and Cat6 applications, L-com's HyperLink<sup>®</sup> data line protectors are available in different power levels. From low power models for typical hub or client installations to high-power, 3-stage protectors designed for maximum surge protection.

### Weatherproof Analog Pan-Tilt-Zoom (PTZ) Video Camera Lightning and Surge Protectors

Outdoor video security equipment is often mounted on top of buildings and light poles, areas more vulnerable to lightning strikes. This can damage not only the video cameras, but the controllers as well. The AL-VDP series is designed to provide lightning and surge protection for analog PTZ video cameras. These protectors incorporate individual protection circuits for the analog video line, RS485 control line and AC/DC power lines.



## **Grounding Note:**

In addition to our data line protectors, we offer protectors for Telephone, DSL, T1,

AC/DC and Video applications.

RS422/485, RS232, 4-20 mA Current Loop,

Proper grounding of lightning and surge protectors is required to ensure proper operation. Connecting the ground lug on the protectors to an earth ground is the recommended method. Please refer to the National Electric Code (or your local codes) for additional information or contact a licensed electrician for assistance.

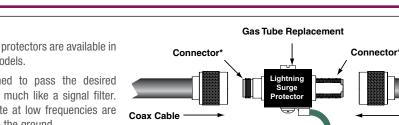
To Ground

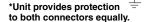


Three Stage Data

Line Protector

Australian Representatives ROJONE, PTY LTD. Tel: 02 9829 1555 E: sales@rojone.com.au www.rojone.com.au





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Item #	Power Rating	Description		1-9	10-24	25-99	100+	CMSP-CAT5-8
		•						UMSP-CAT5-8
		Intning and Surge Protectors	test supersive wired and wi	rolooo 10/10	0 and 10 /	100/1000	Deee T	
		lightning protectors are designed to pro lightning protectors are also great to us					Dase-I	A REAL AND A
-			e ili Fowei ovei Etileillet (Fo	c) camera m	Stallations	•		The states of th
		100 Base-T Protectors						
HGLN-CAT5-2	N	Indoor, Shielded RJ45		44.13	41.48	38.83	CALL	
AL-CAT5VW-1	×	Weather Resistant, RJ45		43.05	40.47	37.89	CALL	and and
HGLN-CAT5J HGLND-CAT5J	N N N N N N	Indoor, Shielded RJ45 Indoor DIN Mount, Shielded RJ45		43.05 48.44	40.47 45.53	37.89 42.63	CALL	Logo 19
CMSP-CAT5-2	~ ~ ~	Indoor Wall Mount, 2-Port, Shielded RJ45		53.83	49.52	45.22	CALL	
CMSP-CAT5-4	NNN	Indoor Wall Mount, 4-Port, Shielded RJ45		96.93	89.18	81.42	CALL	ALS-CAT5W
CMSP-CAT5-8	NNN	Indoor Wall Mount, 8-Port, Shielded RJ45		161.59	155.13	148.67	CALL	
AL-CAT5JW	NNN	Weather Resistant, RJ45		37.66	35.40	33.14	CALL	
AL-CAT5SJW	NNN	Weather Resistant, Shielded RJ45		39.82	37.43	35.04	CALL	
AL-CAT5PW AL-CAT5SW	NNN	Weather Resistant, Punch Down Terminal Block	:k	37.66	35.40	33.14	CALL	and and and the
AL-CAT5W	N N N N N N N	Weather Resistant, Screw Terminal Block Weatherproof, RJ45/Screw Terminal Block		37.66 53.83	35.40 50.60	33.14 47.37	CALL	
ALS-CAT5W	~ ~ ~ ~	Compact Weatherproof, Shielded RJ45		53.83	50.60	47.37	CALL	AL-CAT5W-4
AL-CAT5W-4	NNNN	Weatherproof, 4-Port, Shielded RJ45		134.65	126.57	118.49	CALL	Carden and
HGLN-CAT5-HP	****	Indoor, High Power, Shielded RJ45		69.99	65.79	61.59	CALL	
HGLND-CAT5-HP		Indoor DIN Mount, High Power, Shielded RJ45		77.54	72.88	68.23	CALL	
AL-CAT5HPJW	N N N N N	Weather Resistant, High Power, Shielded RJ45	5	59.22	55.66	52.11	CALL	
AL-CAT5SHPW	* * * * *	Weatherproof, High Power, Shielded RJ45		75.38	70.86	66.34	CALL	
ALW-CAT5HPJ AL-CAT5HPW-4	N N N N N N N N N N N N	Weatherproof Metal Enclosure, High Power, SI Weatherproof, 4-Port, High Power, Screw Tern		82.92 215.48	76.29 202.55	69.66 189.62	CALL	0 2-2 0 0 0
				213.40	202.00	103.02	UALL	AL-CAT5SHPW
		)/100 Base-T Protectors		40.44	45 50	40.00	0411	
AL-CAT5EW	NN	Weatherproof, Screw Terminal Block		48.44	45.53	42.63	CALL	a. C-12
HGLN-CAT5EJW HGLND-CAT5EJW	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Indoor, Shielded RJ45 Indoor DIN Mount, Shielded RJ45		53.83 59.22	50.60 55.66	47.37 52.11	CALL	
AL-CAT5EPW	****	Weather Resistant, Punch Down Terminals		48.44	45.53	42.63	CALL	
AL-CAT5EJW	N N N N	Weather Resistant, Shielded RJ45		48.44	45.53	42.63	CALL	<b>S</b> /1
ALS-CAT5EJWP	NNNN	Compact Weatherproof, Shielded RJ45		67.84	63.77	59.70	CALL	1 to 1 mg
ALW-CAT5EJ	NNNN	Weatherproof Metal Enclosure, Shielded RJ45		75.38	69.35	63.32	CALL	
ALW-CAT5EP	NNNN	Weatherproof Metal Enclosure, Punch Down T	erminals	75.38	69.35	63.32	CALL	HGLND-CAT6-HP
AL-CAT5EHPW	* * * * *	Weatherproof, High Power, Screw Terminal Blo	ock	74.30	69.85	65.39	CALL	
Category 6	Data Line 10	100/1000 Base-T Protectors						
HGLN-CAT6	N	Indoor, Shielded RJ45		48.44	45.53	42.63	CALL	
HGLN-CAT6J	NN	Indoor, Shielded RJ45, PoE Compatible		48.44	45.53	42.63	CALL	
HGLND-CAT6J	NN	Indoor DIN Mount, Shielded RJ45		53.83	50.60	47.37	CALL	CMSP-CAT6T-2
CMSP-CAT6-2	NN	Indoor Wall Mount, 2-Port, Shielded RJ45		75.38	69.35	63.32	CALL	CIVISF-CATOT-2
CMSP-CAT6-4	NN	Indoor, 4-Port, Shielded RJ45		107.71	99.09	90.48	CALL	
AL-CAT6JW AL-CAT6PW	N N N N	Weather Resistant, RJ45 Weather Resistant, Punch Down Terminal Blog		39.82 39.82	37.43 37.43	35.04 35.04	CALL	-
AL-CAT6W	~~~	Weatherproof, Screw Terminal Block	.к	59.82	55.66	52.11	CALL	
HGLND-CAT6-HP		Indoor DIN Mount, High Power, Shielded RJ45		79.69	74.91	70.13	CALL	
HGLN-CAT6-HP	NNNN	Indoor, High Power, Shielded RJ45		74.30	69.85	65.39	CALL	
AL-CAT6HPJW	NNNN	Weather Resistant, High Power, Shielded RJ45	5	62.45	58.70	54.96	CALL	
ALS-CAT6HPW	NNNN	Compact Weatherproof, High Power, Shielded	RJ45	75.38	70.86	66.34	CALL	
ALW-CAT6HPJ	NNNN	Weatherproof Metal Enclosure, High Power, Sl	nielded RJ45	82.92	76.29	69.66	CALL	
HGLN-CAT6JT	* * * * *	Indoor, Differential Gas Tube, Shielded RJ45		57.06	53.64	50.21	CALL	
ALS-CAT6JT	* * * * *	Compact Weatherproof, Differential Gas Tube,		64.61	60.73	56.85	CALL	AL-CAT6AJW
CMSP-CAT6T-2	MMMMM	Indoor Wall Mount, 2-Port Differential Gas Tub		80.77	74.31	67.85	CALL	
CMSP-CAT6T-4	****	Indoor, 4-Port, Differential Gas Tube, Shielded		140.04	128.84	117.63	CALL	
		0/100/1000/10G Base-T Prote						
		ng and surge protectors provide superio						RMSP-CAT6-4
(10G) Base-T Eth	hernet networks.	They are designed for use with CAT6a Eth	iernet cabling, but can also be	e used with CA	AT5, CAT5e	and CAT6	cabling.	
AL-CAT6AJW	NN	Weather Resistant, RJ45 (CAT6a)		51.76	48.65	45.55	CALL	, and D m
15V and 04V		ible Date Line Lightning and C	una Dratastara					•
		tible Data Line Lightning and S						
		ection are designed to be compatible v	with PoE equipment requiring	15V and 24	/. Note, the	ese protec	tors are	GROUND
		rd 48V PoE equipment.						
HGLN-CAT5J24	N N N	Indoor, Cat5, 15V/24V PoE, Shielded RJ45		45.21	42.49	39.78	CALL	Rear view detail
AL-CAT5SJW24 AL-CAT5W-4-24	N N N N N N N	Weather Resistant, Cat5, 15V/24V PoE, Shield Weatherproof, 4-Port, Cat5, 15V/24V PoE, Shield		43.05 140.04	40.47 131.64	37.89 123.24	CALL	
HGLN-CAT5EJW2		Indoor. Cat5e. 15V/24V PoE. Shielded RJ45	elded 11343	57.06	53.64	50.21	CALL	
AL-CAT5EJW24	****	Weather Resistant, Cat5e, 15V/24V PoE, Shie	Ided B.I45	51.67	48.57	45.47	CALL	
ALW-CAT5EJ24	~ ~ ~ ~	Weatherproof Metal Enclosure, Cat5e 15V/24		75.38	69.35	63.32	CALL	10
				10.00	00.00	00.02	O/ ILL	RMSP-DT-12
		d Telephone/DSL Protectors						
		surge protectors provides multiple line						
		its into any standard 19" (48.3cm) rac	k system and may be installe	ed in the rea	r of the ra	CK where	tney are	
	ed of line in and		Denel 4 Dent	00.00	00.50	70.10	0411	
RMSP-CAT5S-4 RMSP-CAT5S-12	N N N N N N	Category 5 10/100 Base-T, 19in (48.3cm) 1U Category 5 10/100 Base-T, 19in (48.3cm) 2U		86.00 195.00	82.56 187.20	79.12 179.40	CALL	
RMSP-CAT5-24		Category 5 10/100 Base-T, 19in (48.3cm) 10 Category 5 10/100 Base-T, 19in (48.3cm) 10		420.23	403.42	386.61	CALL	۲
RMSP-CAT6-4	NNN	Category 6 10/100/1000 Base-T, 19in (48.3)		103.00	98.88	94.76	CALL	State of the second
RMSP-CAT6-12	NNN	Category 6 10/100/1000 Base-T, 19in (48.3)	cm) 2U Panel, 12-Port	260.00	249.60	239.20	CALL	and the second se
RMSP-CAT6T-4	NNNNN	Category 6 10/100/1000 Base-T, 19in (48.3)	cm) 1U Panel, High Power, 4-Port	137.00	131.52	126.04	CALL	• •
RMSP-CAT6T-12		Category 6 10/100/1000 Base-T, 19in (48.3			259.20	248.40	CALL	
RMSP-DT-4	MMMM	Telephone / DSL, 19in (48.3cm) 1U Panel, High		161.59	155.13	148.67	CALL	
RMSP-DT-12	<i>N N N N</i>	Telephone/DSL, 19in (48.3cm) 2U Panel, High	Power, 12-Port	484.89	465.49	446.10	CALL	
	•	ng and Surge Protectors						WPCAT5 WPDTJ
		rs feature stainless steel wall plates des				ese units a	are ideal	The lightning bolts next to the part
		protection in homes and offices with e	xisting in-wall telephone and		•			numbers indicate Power Rating.
WPCAT5	NNN	Wall Plate, Cat5, Shielded RJ45/RJ45		30.12	28.92	27.71	CALL	$\varkappa$ = Low Power
WPCAT6	NN	Wall Plate, Cat6, Shielded RJ45/RJ45		30.12	28.92	27.71	CALL	$\mathcal{M} \mathcal{M} \mathcal{M} \mathcal{M} = \text{High Power}$
WPDTJ WPDTP	N N N N N N N N N	Wall Plate, Telephone / DSL, RJ11 / RJ11 Wall Plate, Telephone / DSL, RJ11 / Punch Tern	inal	30.12 30.12	28.92 28.92	27.71 27.71	CALL	
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Global Connectivity 

#### 40 LIGHTNING PROTECTORS ~ HyperLink® Lightning and Surge Protectors

Item #

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HGLND-D1-DT





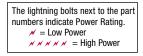












Telephone/DSL/T1 Protectors L-com's HyperLink® Telephone, DSL and T1 lightning and surge protectors are perfect for indoor and outdoor installations. There are multiple ccrow terminal nunch down and P I11 styles to

1-9

10-24

25-99

100+

styles to choose from including screw terminal, punch down and KJTT.							
AL-D4W-DT	NNN	Weather Resistant, Phone/DSL, T1/E1/J1, Screw Terminal	48.44	45.53	42.63	CALL	
AL-D4W-DP	NNN	Weather Resistant, Phone/DSL, T1/E1/J1, Punch Down Terminal	48.44	45.53	42.63	CALL	
HGLN-D1-DT	N N N N	Indoor, High Power Single Line Phone/DSL, Screw Terminal	48.44	45.53	42.63	CALL	
HGLND-D1-DT	NNNN	Indoor DIN Mount, High Power Single Line Phone/DSL, Screw Terminal	53.83	50.60	47.37	CALL	
HGLN-DT	NNNN	Indoor, High Power Single Line Phone/DSL, RJ11	48.44	45.53	42.63	CALL	
HGLN-D2T	NNNN	Indoor, High Power Dual Line Phone / DSL, RJ11	48.44	45.53	42.63	CALL	
CMSP-DT-4	<b>N N N N</b>	Indoor, 4-Port High Power Phone/DSL, RJ11	140.04	128.84	117.63	CALL	
RMSP-DT-4	NNNN	19 inch (48.3cm) Rack Panel, 4-Port High Power Phone/DSL, RJ11	161.59	155.13	148.67	CALL	
HGLN-DSL	* * * * *	Indoor, Phone / DSL, 3-Stage, RJ11	59.22	55.66	52.11	CALL	
AL-DSLJW	* * * * *	Weather Resistant, Phone / DSL, 3-Stage, RJ11	59.22	55.66	52.11	CALL	
ALW-DSLJ	* * * * *	Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, RJ11	78.61	72.33	66.04	CALL	
HGLN-D2-DT	* * * * *	Indoor, Phone / DSL, 3-Stage, Screw Terminal	59.22	55.66	52.11	CALL	
HGLND-D2-DT	* * * * *	Indoor DIN Mount, Phone / DSL, 3-Stage, Screw Terminal	64.61	60.73	56.85	CALL	
AL-DSLSW	<b>N N N N N</b>	Weather Resistant, Phone / DSL, 3-Stage, Screw Terminal	59.22	55.66	52.11	CALL	
ALW-DSLS	***	Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, Screw Terminal	78.61	72.33	66.04	CALL	
AL-D3W-DT	* * * * *	Weather Resistant, Phone / DSL, 3-Stage, Screw Terminal	66.76	62.75	58.75	CALL	

#### RS422/RS485/RS232 Protectors

Power Rating Description

L-com's HyperLink® lightning and surge protectors in this section are ideal for RS422, RS485, RS232 lines as well as providing protection for sensors and control lines. All protectors in this section feature screw terminals.

AL-D4W-05	N N N	Weather Resistant, 4-Line RS422/485	48.44	45.53	42.63	CALL
AL-D8W-12	N N N	Weather Resistant, 8-Line RS232	48.44	45.53	42.63	CALL
HGLN-D1-05	N N N N N	Indoor, 1-Line RS485, 3-Stage	43.05	40.47	37.89	CALL
HGLND-D1-05	N N N N N	Indoor DIN Mount, RS485, 3-Stage	48.44	45.53	42.63	CALL
HGLN-D2-05	N N N N N N	Indoor, RS422/485, RTDs, T1/E1/J1, 3-Stage	59.22	55.66	52.11	CALL
HGLND-D2-05	N N N N N N	Indoor DIN Mount, RS422/485, RTDs, T1/E1/J1, 3-Stage	64.61	60.73	56.85	CALL
AL-D2W-05	N N N N N N	Weather Resistant, RS422/485, RTDs, T1/E1/J1, 3-Stage	59.22	55.66	52.11	CALL
ALW-D2-05	N N N N N N	Weatherproof Metal Enclosure, RS422/485, 3-Stage	75.38	69.35	63.32	CALL
AL-D3W-05	N N N N N N	Weather Resistant, RS485	66.76	62.75	58.75	CALL
HGLN-D2-12	N N N N N N	Indoor, 2-Line RS232, 3-Stage	59.22	55.66	52.11	CALL
AL-D2W-12	N N N N N	Weather Resistant, 2-Line RS232, 3-Stage	59.22	55.66	52.11	CALL
ALW-D2-12	N N N N N N	Weatherproof Metal Enclosure, 2-Line RS232, 3-Stage	75.38	69.35	63.32	CALL
AL-D4-05W	N N N N N N	Weatherproof, 4-Line RS422/485	66.76	62.75	58.75	CALL

#### RS422/RS485 Control Lines with AC/DC Supply Voltage Protectors

L-com's HyperLink® AL-D15P and ALS-D25P protectors incorporate individual protection circuits for RS422/485 control lines and AC/DC power lines. These protectors are ideal for RS422/485 lines with AC/DC supply voltage, analog or IP video surveillance cameras, pool/spa controllers and Pan-Tilt-Zoom (PTZ) camera controllers.

z) camera controlor				
5VDC, RS485, Weather Resistant, Screw Terminal	37.66	35.40	33.14	CALL
12VDC, RS485, Weather Resistant, Screw Terminal	37.66	35.40	33.14	CALL
15VDC, RS485, Weather Resistant, Screw Terminal	37.66	35.40	33.14	CALL
24VDC, RS485, Weather Resistant, Screw Terminal	37.66	35.40	33.14	CALL
12-28VAC, RS485, Weather Resistant, Screw Terminal	37.66	35.40	33.14	CALL
12VDC, RS422/RS485, Weatherproof, Screw Terminal	59.22	55.66	52.11	CALL
15VDC, RS422/RS485, Weatherproof, Screw Terminal	59.22	55.66	52.11	CALL
24VDC, RS422/RS485, Weatherproof, Screw Terminal	59.22	55.66	52.11	CALL
12-28VAC, RS422/RS485, Weatherproof, Screw Terminal	59.22	55.66	52.11	CALL
	12VDC, RS485, Weather Resistant, Screw Terminal 15VDC, RS485, Weather Resistant, Screw Terminal 24VDC, RS485, Weather Resistant, Screw Terminal 12-28VAC, RS485, Weather Resistant, Screw Terminal 12VDC, RS422/RS485, Weatherproof, Screw Terminal 15VDC, RS422/RS485, Weatherproof, Screw Terminal 24VDC, RS422/RS485, Weatherproof, Screw Terminal	SVDC, RS485, Weather Resistant, Screw Terminal 37.66   12VDC, RS485, Weather Resistant, Screw Terminal 37.66   15VDC, RS485, Weather Resistant, Screw Terminal 37.66   12VDC, RS485, Weather Resistant, Screw Terminal 37.66   12-28VAC, RS485, Weather Resistant, Screw Terminal 37.66   12-28VAC, RS485, Weather Resistant, Screw Terminal 37.66   12-28VAC, RS485, Weather Resistant, Screw Terminal 37.66   12VDC, RS422/RS485, Weatherproof, Screw Terminal 59.22   15VDC, RS422/RS485, Weatherproof, Screw Terminal 59.22   24VDC, RS422/RS485, Weatherproof, Screw Terminal 59.22	SVDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       12VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       15VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       15VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       24VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       12-28VAC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       12-28VAC, RS485, Weather Resistant, Screw Terminal     37.66     35.40       12VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66       15VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66       24VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66	SVDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       12VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       15VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       15VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       12VDC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       12-28VAC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       12-28VAC, RS485, Weather Resistant, Screw Terminal     37.66     35.40     33.14       12VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66     52.11       15VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66     52.11       12VDC, RS422/RS485, Weatherproof, Screw Terminal     59.22     55.66     52.11

#### 4-20 mA Current Loop Protectors

L-com's HyperLink® brand 4-20 mA protectors are ideal for sensors and controllers as well as industrial control lines, HART street light controllers, toll booths, drawbridges, railroad crossing gates and signals. Available in three voltages; 12V, 15V and 24V.

AL-CL4-12	NNN	12V Weather Resistant, 4-Channel, Screw Terminal	48.44	45.53	42.63	CALL
HGLN-CL1-12	NNNN	12V Indoor, 1-Channel, Screw Terminal	51.67	48.57	45.47	CALL
HGLND-CL1-12	NNNN	12V Indoor DIN Mount, 1-Channel, Screw Terminal	58.14	54.65	51.16	CALL
HGLN-CL2-12	***	12V Indoor, 2-Channel, Screw Terminal	53.83	50.60	47.37	CALL
HGLND-CL2-12	* * * * *	12V Indoor DIN Mount, 2-Channel, Screw Terminal	59.22	55.66	52.11	CALL
AL-CL2-12	<b>м м м м м</b>	12V Weather Resistant, 2-Channel, Screw Terminal	48.44	45.53	42.63	CALL
AL-CL3W-12	<b>N N N N N</b>	12V Weatherproof, 3-Channel, Screw Terminal	67.84	63.77	59.70	CALL
AL-CL4W-12	* * * * *	12V Weatherproof, 4-Channel, Screw Terminal	69.99	65.79	61.59	CALL

See web site for 15V and 24V models.

#### Remote Electrical Tilt (RET)/AISG Protector

L-com's HyperLink® RET/AISG protector is compatible with AISG 5, 6 and 8-conductor control lines and provides individual protection of the power and RS485 lines within the control cable.

HGLN-AISG1 🛛 📈 📈 🥂	Weatherproof, RET/AISG Compatible, 8-Pin	107.71	101.25	94.79	CALL
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#### AC and DC Control Line Protectors

L-com offers a full line of AC and DC Control Line lightning and surge protectors. Available in 12V, 24V and 48V in either AC or DC models. AL-D8-12ACW Weather Resistant, Single Stage, 12VAC, 8-Wire, Screw Terminal 59.22 55.66 52.11 CALL NNN AL-D8-24ACW Weather Resistant, Single Stage, 24VAC, 8-Wire, Screw Terminal 59.22 55.66 52.11 CALL **N N N N** AL-D8-48ACW Weather Resistant, Single Stage, 48VAC, 8-Wire, Screw Terminal 59.22 55.66 52.11 CALL **N N N N** Weatherproof, 12VAC, 8-Wire, Screw Terminal AL-D8-12AC 71.07 66.81 62.54 CALL . . . . . Weatherproof, 24VAC, 8-Wire, Screw Terminal AL-D8-24AC 71.07 62.54 CALL 66.81 AL-D8-48AC Weatherproof, 48VAC, 8-Wire, Screw Terminal 71.07 66.81 62.54 CALL AL-D8-05DCW Weather Resistant, Single Stage, 5VDC, 8-Wire, Screw Terminal 59.22 55.66 52.11 CALL Weather Resistant, Single Stage, 12VDC, 8-Wire, Screw Terminal CALL AL-D8-12DCW 59.22 55.66 52.11 Weather Resistant, Single Stage, 24VDC, 8-Wire, Screw Terminal AL-D8-24DCW 59.22 55.66 52.11 CALL N N N AL-D8-48DCW Weather Resistant, Single Stage, 48VDC, 8-Wire, Screw Terminal 59.22 55.66 52.11 CALL Weatherproof, 12VDC, 8-Wire, Screw Terminal AL-D8-12DC 71.07 66.81 62.54 CALL AI -D8-24DC .... Weatherproof, 24VDC, 8-Wire, Screw Terminal 71 07 66 81 62 54 CALL Weatherproof, 48VDC, 8-Wire, Screw Terminal AL-D8-48DC 71.07 62.54 CALL 66.81 **N N N N** HGLN-DC-12 Indoor, 12VDC, 1-Line, Screw Terminal 45.21 42.49 39.78 CALL

## HyperLink<sup>®</sup> Lightning and Surge Protectors ~ LIGHTNING PROTECTORS 41

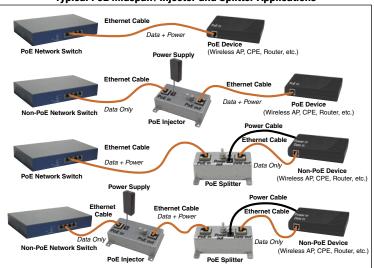
		nyporenne eight	aning and ours	,011010	01010	
	Power Rating	Description	1-9	10-24	25-99	100+
		auge Sensor Protectors surge protectors that provide superior protection for devic	es such as load ce	ells weighb	ridaes re	sistance
temperature dete	ectors (RTD) and	l strain gauge sensors.		, 0	0 /	
AL-LC-30 AL-LC	N N N N N N N N N N N	Weatherproof 3-Stage Load Cell/RTD Lightning Surge Protector Weatherproof Single Stage Load Cell/RTD Lightning Surge Protector	71.07 48.44	66.81 45.53	62.54 42.63	CALL CALL
Audio Systen						
L-com's HyperLin affordable price.	nk® outdoor sp	eaker and public address system lightning protectors of	ter protection of v	aluable PA	equipmer	nt at an
AL-D2-AW AL-D2-PAW	N N N N N N N N N N N	Weatherproof, 4/8 Ohm Audio Systems, Screw Terminal Weatherproof, 70.7/100V Public Address Systems, Screw Terminals	59.22 59.22	55.66 55.66	52.11 52.11	CALL
Coaxial Video			00.22	00.00	02.111	0,122
•••		protectors are ideal for protecting surveillance and CCTV car				
CMSP-VIDE0-2 CMSP-VIDE0-2I	N N N N N N	Indoor, 2-Port Video, BNC Connectors Indoor, 2-Port Video, Isolated BNC Connectors	53.83 53.83	49.52 49.52	45.22 45.22	CALL CALL
CMSP-VIDE0-4 CMSP-VIDE0-4I	N N N N N N	Indoor, 4-Port Video, BNC Connectors Indoor, 4-Port Video, Isolated BNC Connectors	96.93 96.93	89.18 89.18	81.42 81.42	CALL CALL
		TZ) Video Camera Surge Protectors	00.00	00.10	01.42	ONEL
The L-com's Hype	erLink® AL-VDP	series are designed to provide superior lightning and surge			o camera	s. These
AL-VDP012DW	orate individual	protection circuits for the analog video line, RS485 control I 12VDC Weatherproof, Grounded BNC Connectors	line and AC/DC pov 134.65	ver lines. 123.88	113.11	CALL
AL-VDP112DW	NNNNN	12VDC Weatherproof, Isolated BNC Connectors	134.65	123.88	113.11	CALL
AL-VDP024DW AL-VDP124DW	N N N N N N N N N N N N	24VDC Weatherproof, Grounded BNC Connectors 24VDC Weatherproof, Isolated BNC Connectors	134.65 134.65	123.88 123.88	113.11 113.11	CALL CALL
AL-VDP01228AW	****	12-28VAC Weatherproof, Grounded BNC Connectors	134.65	123.88	113.11	CALL
AL-VDP11228AW	N N N N N n and Surge	12-28VAC Weatherproof, Isolated BNC Connectors Protectors, Panel Mountable	134.65	123.88	113.11	CALL
•	• •	B surge protectors are commercial quality devices designed	to protect a comput	ter's sensiti	ve USB pc	orts from
surges and spike	s from attached	I devices. To ensure USB 2.0 speeds, the device uses ultra-	low capacitance did	odes to prot	ect the da	ata lines.
AL-ECF504-AB	tection device ci	amps the power lines to safe levels. These panel mount prote USB Type A Female Bulkhead/Type B Female	ectors are available 1 19.39	18.22 With	out a pigta 17.06	CALL
AL-ECF504-AA12 AL-ECF504-AB12		USB Type A Female Bulkhead/Type A Male, 12in (30.5cm) Pigtail* USB Type A Female Bulkhead/Type B Male, 12in (30.5cm) Pigtail*	21.54 21.54	20.25 20.25	18.96 18.96	CALL
	engths of 24in (61.	0cm), 36in (91.4cm), 48in (121.9cm) and 72in (182.9cm). See web site		20.25	10.50	UALL
HyperLink® C	Coaxial Light	ning and Surge Protectors				
		ning and surge protectors feature replaceable gas tubes (ex	cept for 1/4 wave m	odels), mul	ti-strike c	apability
and bi-directiona 0-3 GHz Coax	•	rs				
AL-NFNFB-9		Type N Female to Type N Female Bulkhead, 90V	22.58	20.77	18.96	CALL
AL-NFNFBHP-9 AL-NMNFB-9		Type N Female to Type N Female Bulkhead, Indoor, High Power, 90V Type N Male to Type N Female Bulkhead, 90V	30.12 22.58	27.71 20.77	25.30 18.96	CALL CALL
AL-BMBFB-9		BNC Male to BNC Female Bulkhead, 90V	18.27	16.80	15.34	CALL
AL-TMTFB-9 AL-UFUFB-6		TNC Male to TNC Female Bulkhead, 90V UHF Female to UHF Female Bulkhead, 600V	29.04 18.27	26.72 16.80	24.40 15.34	CALL CALL
AL-RBPRBJB-9		RP-BNC Plug to RP-BNC Jack Bulkhead, 90V	18.27	16.80	15.34	CALL
AL-RTPRTJB-9 AL-FFFF-9		RP-TNC Plug to RP-TNC Jack Bulkhead, 90V Type F Female to Type F Female, 90V	29.04 29.04	26.72 26.72	24.40 24.40	CALL CALL
0-6 GHz Coax	cial Protecto					
AL6-NFNFBW-9		Type N Female to Type N Female Bulkhead, 90V	43.05	39.61	36.16	CALL
AL6-NMNFBW-9 AL6-RSPRSJBW-9		Type N Male to Type N Female Bulkhead, 90V RP-SMA Plug to RP-SMA Jack Bulkhead, 90V	43.05 37.66	39.61 34.65	36.16 31.64	CALL CALL
		pe Coaxial Protectors				
		ctors are designed to be attached directly onto a 400-series rove insertion loss since a cable connector is eliminated. T				
400-series cable		e page 204 for details.		, aloo avai	abio on p	io mado
AL6-NF-14-9 AL6-NM-14-9		Type N Female Bulkhead to Crimp End, 90V Type N Male to Crimp End, 90V	36.59 36.59	33.66 33.66	30.73 30.73	CALL CALL
Quarter Wave	Coaxial Pro					
ALQ2-NMNFB		2300-2700 MHz Type N Male to Type N Female Bulkhead 800-2250 MHz 7/16 DIN Male to 7/16 DIN Female Bulkhead	43.05	39.61	36.16	CALL
ALQ2-DMDFB ALQ2-DFDFB		800-2250 MHz 7/16 DIN Female to 7/16 DIN Female Bulkhead	96.93 96.93	89.18 89.18	81.42 81.42	CALL CALL
	rter Wave Co	paxial Protectors				
ALQP-DFDFB ALQP-DMDFB		800-2250 MHz 7/16 DIN Female to 7/16 DIN Female Bulkhead, Low P 800-2250 MHz 7/16 DIN Male to 7/16 DIN Female Bulkhead, Low PIM		97.40 97.40	91.19 91.19	CALL CALL
ALQP-NFNFB		800-2250 MHz Type N Female to Type N Female Bulkhead, Low PIM	82.90	77.92	72.95	CALL
ALQP-NMNFB Replacement	Cas Tubos	800-2250 MHz Type N Male to Type N Female Bulkhead, Low PIM	82.90	77.92	72.95	CALL
Replacement LPX090G	003 10003	0-6 GHz, 90V, Replacement Gas Tube	12.88	11.59	10.30	CALL
LPX090-6		0-6 GHz, 90V, Replacement Gas Tube For AL-NMNFBW-9	7.49	6.74	5.99	CALL
LPX090 LPX230		0-3 GHz, 90V, Replacement Gas Tube 0-3 GHz, 230V, Replacement Gas Tube	6.41 6.41	5.77 5.77	5.13 5.13	CALL CALL
LPX350 LPX600		0-3 GHz, 350V, Replacement Gas Tube 0-3 GHz, 600V, Replacement Gas Tube	6.41 6.41	5.77 5.77	5.13 5.13	CALL CALL
Accessories			0.41	5.11	5.10	U. ILL
HGX-LPMOUNT01		ALQ2 Mounting Bracket	6.25	5.75	5.25	CALL
Grounding Kit			ourropto in over	of 2001-A -	e well ee	moot the
		is are designed to withstand the damaging effects of lightning quirements. Our grounding pipe clamp fits around existing con				
HT-GK400		Grounding Kit for LMR400 Series Cable	20.67	19.85	19.02	CALL
HT-GK600		Grounding Kit for LMR600 Series Cable	20.67	19.85	19.02	CALL

The lightning bolts next to the part numbers indicate Power Rating. ✓ = Low Power M M M M M = High Power AL-LC-30 CMSP-VIDE0-2 AL-VDP124DW AL-ECF504-AA12 Best Seller AL-NFNFB-9 **B**est Seller AL6-NMNFBW-9 AL6-RSPRSJBW-9 AL6-NF-14-9 ALQ2-DFDFB ALQP-DFDFB



	tom#		1.0	10.04	<b>25 00</b>	100.
	Item #	Description	1-9	10-24	25-99	100+
		(PoE) Midspan / Injectors f PoE Midspan / Injectors styles including reverse polarity and 4-port models. Th	oco PoE M	idenan /Ini	octore con	ho usod
	to supply power as well as (	lata to PoE compliant devices such as access points, CPEs, IP phone and wirele	ese FOE M	s over a sin	gle Ethern	i be useu iet cable.
PS2424-POE		Injector with Integral Power Supply			0	
	PSW1212-POE	12 VDC, 12W, Wall Mount, RJ45	18.00	16.92	15.84	CALL
	PS1212-POE	12 VDC, 12W, Desktop, RJ45, Requires PSCORD2 Power Cord	26.00	24.44	22.88	CALL
PS4834GB-P0E-2	PSW2424-POE PS2424-POE	24 VDC, 24W, Wall Mount, RJ45 24 VDC, 24W, Desktop, RJ45, Requires PSCORD3 Power Cord	18.00 26.00	16.92 24.44	15.84 22.88	CALL CALL
the second se	PSW4824-POE	48 VDC, 24W, Wall Mount, RJ45	18.00	16.92	15.84	CALL
Best Seller	PS4820-POE-1	48 VDC, 20W, Dual RJ45	26.00	24.44	22.88	CALL
Dest Seller	PS4834GB-POE-2	48 VDC, 34W, Gigabit, 2-Port RJ45	57.00	53.58	50.16	CALL
	Cat5 Midspan / Inject	ors				
aria antona Quera seria	BT-CAT5-E1 BT-CAT5-E1-4848	Compact Single Port, 5-48 VDC BT-CAT5-E1 with 48VDC/48W Power Supply	7.00 28.00	6.58 26.32	6.16 24.64	CALL CALL
BT-CAT5-P1	BT-CAT5-E1-4870	BT-CAT5-E1 with 48VDC/70W Power Supply	51.00	47.94	44.88	CALL
	BT-CAT5-P1	Single Port, 5-48 VDC	26.00	24.44	22.88	CALL
	BT-CAT5-P1-4848 BT-CAT5-P1-4870	BT-CAT5-P1 with 48VDC/48W Power Supply BT-CAT5-P1 with 48VDC/70W Power Supply	43.00 66.00	40.42 62.04	37.84 58.08	CALL CALL
	BT-CAT5-P1-56118	BT-CAT5-P1 with 56VDC/117.6W Power Supply	73.00	68.62	64.24	CALL
	BTD-CAT5-P1	DIN Mount Single Port, 5-48 VDC	31.00 48.00	29.14 45.12	27.28 42.24	CALL CALL
	BTD-CAT5-P14848 BTD-CAT5-P14870	BTD-CAT5-P1 with 48VDC/48W Power Supply BTD-CAT5-P1 with 48VDC/70W Power Supply	48.00 71.00	43.12 66.74	42.24 62.48	CALL
	BT-CAT5-P1J	Single Port, 5-48 VDC with Cat5 Surge Protection	40.00	37.60	35.20	CALL
	BT-CAT5-P1J-4848 BT-CAT5-P1J-4870	BT-CAT5-P1J with 48VDC/48W Power Supply BT-CAT5-P1J with 48VDC/70W Power Supply	56.00 78.00	52.64 73.32	49.28 68.64	CALL CALL
BT-CAT5-P1-56118	BT-CAT5-P1J-56118	BT-CAT5-P1J with 56VDC/117.6W Power Supply	86.00	80.84	75.68	CALL
	BTD-CAT5-P1J	DIN Mount Single Port, 5-48 VDC w/Cat5 Surge Protection	45.00	42.30	39.60	CALL
and a second	BTD-CAT5P1J4848 BTD-CAT5P1J4870	BTD-CAT5-P1J with 48VDC/48W Power Supply BTD-CAT5-P1J with 48VDC/70W Power Supply	61.00 83.00	57.34 78.02	53.68 73.04	CALL CALL
BT-CAT5E-P1-HP	BT-CAT5-P1R	Single Port, 5-48 VDC, Reverse Polarity	35.00	32.90	30.80	CALL
BI-GAIJL-FI-IIF	BT-CAT5-P1R4848 BT-CAT5-P1R4870	BT-CAT5-P1R with 48VDC/48W Power Supply BT-CAT5-P1R with 48VDC/70W Power Supply	51.00 73.00	47.94 68.62	44.88 64.24	CALL CALL
	BT-CAT5-P1R-56118	BT-CAT5-P1R with 56VDC/117.6W Power Supply	81.00	76.14	71.28	CALL
	BTD-CAT5-P1R	DIN Mount Single Port, 5-48 VDC, Reverse Polarity	40.00	37.60	35.20	CALL
	BTD-CAT5P1R4848 BTD-CAT5P1R4870	BTD-CAT5-P1R with 48VDC/48W Power Supply BTD-CAT5-P1R with 48VDC/70W Power Supply	56.00 78.00	52.64 73.32	49.28 68.64	CALL CALL
	BT-CAT5-P4	Four Port, 5-48 VDC	56.00	52.64	49.28	CALL
	BT-CAT5-P4-4848 BT-CAT5-P4-4870	BT-CAT5-P4 with 48VDC/48W Power Supply BT-CAT5-P4 with 48VDC/70W Power Supply	73.00 96.00	68.62 90.24	64.24 84.48	CALL CALL
BTDCAT5EP1HP48W	BT-CAT5-P4-56118	BT-CAT5-P4 with 56VDC/117.6W Power Supply	103.00	96.82	90.64	CALL
DEDUCTORI THE TOTAL OFFICE OFFICE	BTD-CAT5-P4 BTD-CAT5-P44848	DIN Mount Four Port, 5-48 VDC BTD-CAT5-P4 with 48VDC/48W Power Supply	61.00	57.34 73.32	53.68 68.64	CALL CALL
	BTD-CAT5-P44848 BTD-CAT5-P44870	BTD-CAT5-P4 with 48VDC/70W Power Supply BTD-CAT5-P4 with 48VDC/70W Power Supply	78.00 100.00	73.32 94.00	88.00	CALL
	BT-CAT5-P4J	Four Port, 5-48 VDC with Cat5 Surge Protection	63.00	59.22	55.44	CALL
	BT-CAT5-P4J-4848 BT-CAT5-P4J-4870	BT-CAT5-P4J with 48VDC/48W Power Supply BT-CAT5-P4J with 48VDC/70W Power Supply	78.00 100.00	73.32 94.00	68.64 88.00	CALL CALL
	BT-CAT5-P4J-56118	BT-CAT5-P4J with 56VDC/117.6W Power Supply	109.00	102.46	95.92	CALL
	BTD-CAT5-P4J BTD-CAT5P4J4848	DIN Mount Four Port, 5-48 VDC w/Cat5 Surge Protection BTD-CAT5-P4J with 48VDC/48W Power Supply	70.00 85.00	65.80 79.90	61.60 74.80	CALL CALL
	BTD-CAT5P4J4870	BTD-CAT5-P4J with 48VDC/70W Power Supply	108.00	101.52	95.04	CALL
	Cat5e Midspan/Injec	tors				
BT-CAT5E-P1HPW56118	BT-CAT5E-P1-HP	Single Port, 5-60 VAC/DC with High Power Cat5e Surge Protection	52.00	48.88	45.76	CALL
	BT-CAT5E-P1-HP-4848 BT-CAT5E-P1-HP-4870	BT-CAT5E-P1-HP with 48VDC/48W Power Supply BT-CAT5E-P1-HP with 48VDC/70W Power Supply	68.00 89.00	63.92 83.66	59.84 78.32	CALL CALL
	BT-CAT5E-P1-HP56118	BT-CATSE-P1 with 56VDC/117.6W Power Supply	99.00	93.06	87.12	CALL
	BTD-CAT5E-P1-HP	DIN Mount Single Port, 5-60 VAC/DC w/High Power Cat5e Surge Protection	57.00	53.58	50.16	CALL
	BTDCAT5EP1HP48W BTDCAT5EP1HP70W	BT-CAT5E-P1-HP with 48VDC/48W Power Supply BT-CAT5E-P1-HP with 48VDC/70W Power Supply	73.00 94.00	68.62 88.36	64.24 82.72	CALL CALL
	BT-CAT5E-P1-HPW	Single Port, Weather Resistant, 5-60 VAC/DC with High Power Cat5e Surge Protection	51.00	47.94	44.88	CALL
BTD-CAT6-P1-4870	BT-CAT5E-P1-HPW4848 BT-CAT5E-P1-HPW4870	BT-CAT5E-P1-HPW with 48VDC/48W Power Supply BT-CAT5E-P1-HPW with 48VDC/70W Power Supply	68.00 90.00	63.92 84.60	59.84 79.20	CALL CALL
	BT-CAT5E-P1HPW56118	BT-CAT5E-P1-HPW with 56VDC/117.6W Power Supply	98.00	92.12	86.24	CALL
	Cat6 Gigabit Midspar	n/Injectors				
	BT-CAT6-P1	Single Port, 5-60 VAC/DC	45.00	42.30	39.60	CALL
	BT-CAT6-P1-4848 BT-CAT6-P1-4870	BT-CAT6-P1 with 48VDC/48W Power Supply BT-CAT6-P1 with 48VDC/70W Power Supply	62.00 84.00	58.28 78.96	54.56 73.92	CALL CALL
	BT-CAT6-P1-56118	BT-CAT6-P1 with 56VDC/117.6W Power Supply	91.00	85.54	80.08	CALL
	BTD-CAT6-P1	DIN Mount Single Port, 5-60 VAC/DC	50.00	47.00	44.00	CALL
	BTD-CAT6-P14848 BTD-CAT6-P14870	BTD-CAT6-P1 with 48VDC/48W Power Supply BTD-CAT6-P1 with 48VDC/70W Power Supply	68.00 89.00	63.92 83.66	59.84 78.32	CALL CALL
	BT-CAT6-P1-HP	Single Port, 5-60 VAC/DC with High Power Cat6 Surge Protection	68.00	63.92	59.84	CALL
	BT-CAT6P1HP-48W BT-CAT6P1HP-70W	BT-CAT6-P1-HP with 48VDC/48W Power Supply BT-CAT6-P1-HPW with 48VDC/70W Power Supply	84.00 104.00	78.96 97.76	73.92 91.52	CALL CALL
BT-CAT6-P4-56118	BT-CAT6-P1-HP-56118	BT-CAT6-P1-HP with 56VDC/117.6W Power Supply	114.00	107.16	100.32	CALL
LEP 1 2 3 4 DATA + POWER	BT-CAT6-P1-HPW	Single Port, Weather Resistant, 5-60 VAC/DC with High Power Cat6 Surge Protection	68.00	63.92	59.84	CALL
	BT-CAT6P1HPW48W BT-CAT6P1HPW70W	BT-CAT6-P1-HPW with 48VDC/48W Power Supply BT-CAT6-P1-HPW with 48VDC/70W Power Supply	84.00 104.00	78.96 97.76	73.92 91.52	CALL CALL
	BTD-CAT6-P1-HP	DIN Mount Single Port, 5-60 VAC/DC w/High Power Cat6 Surge Protection	68.00	65.28	62.56	CALL
3-1-1-1-11-1	BTD-CAT6P1HP48W	BTD-CAT6-P1-HP with 48VDC/48W Power Supply	89.00	85.44	81.88	CALL
	BTD-CAT6P1HP70W BT-CAT6-P1-HPW56118	BTD-CAT6-P1-HPW with 48VDC/70W Power Supply BT-CAT6-P1-HPW with 56VDC/117.6W Power Supply	112.00 114.00	107.52 107.16	103.04 100.32	CALL CALL
DATA 3	BT-CAT6-P4	Four Port, 5-60 VAC/DC	78.00	73.32	68.64	CALL
PT_CATE D4	BT-CAT6-P4-4848 BT-CAT6-P4-4870	BT-CAT6-P4 with 48VDC/48W Power Supply BT-CAT6-P4 with 48VDC/70W Power Supply	93.00 117.00	87.42 109.98	81.84 102.96	CALL CALL
BT-CAT6-P4	BT-CAT6-P4-56118	BT-CAT6-P4 with 56VDC/117.6W Power Supply	124.00	116.56	102.50	CALL

Item //     Description     1-9     10-24     28-36     100-1       CR15 Splitter/Tag with Adjustable DC Output     1-9     10-24     25-463     100-1       CR15 Splitter/Tag with Adjustable DC Output     1-9     10-24     25-463     100-1       Fight PS     1-9     1-041     1-9     10-04     1-9     10-04     1-9     10-04     1-9     1-041     1-9     10-04     1-9     1-041     1-9     1-041     1-9     1-041     1-9<		FUE FUWER Supplies, Extenders, inje	501015	anu sp				
The FLAT3-96312 PdE System/Tag delivers both data and DC power to non-PdE equipped Ethernet devices using a single CaELS were devices.   Image: CaELS and CaELS an	Item #	Description	1-9	10-24	25-99	100+		
If Returns a user adjustable output wittage selector which can be set for 5VDC, 7.5VDC, 9VDC of 12VDC allowing if to be used with a wide mage of non-760 devices.   If Control to 0000 Base, The Spatiar /Ta with Adjustable DC Output   30.0   31.0   29.40   Cull     Switching Power Supplies   If Control Base, The Spatiar /Ta with Adjustable DC Output   30.0   31.0   29.40   Cull     Switching Power Supplies   If Control Base, The Spatiar /Ta with Adjustable DC Output   30.8   31.0   29.40   Cull     Switching Power Supplies   If 2000 G A (AWD), 21mm BigH Adjue DC Puig   32.8   28.3   8.8   Cull     Switching Power Supplies   If 2000 G A (AWD), 21mm BigH Adjue DC Puig   28.8   28.4   Cull	Cat5 Splitter/Tap w	ith Adjustable DC Output						
Image of carbicas.   International Procession Section Sectin Sectin Section Section Section Section Sectin Section							-	10
IPCONFERSION     100/100 Base T-RE Synther/Tap, with Adjustable DC Output     3.00     3.00     3.00     2.0.4     CALL       Switching Power Supplies     100/100 Base T-RE Synther/Tap, with Adjustable DC Output     3.00     3.00     3.00     2.0.4     CALL       SWITCHING POWER Supplies     100/00 B AA (WA), 2.1mm Bight Adjust DC Pug     10.84     10.33     10.27     CALL       IPS1222-21R     11.200 C B AA (WA), 2.1mm Bight Adjust DC Pug     10.84     10.33     10.27     CALL       IPS1222-21R     11.200 C B AA (WA), 2.1mm Bight Adjust DC Pug     10.84     10.33     10.27     CALL     IPS1222-21R     CALL     IPS1222-21R     CALL     IPS1222-21R     CALL     IPS1222-21R     CALL     IPS1222-21R     CALL     CALL     IPS1222-21R		ie output voltage selector which can be set for 5VDC, 7.5VDC, 9VDC or 12VI	DC allow	ing it to d	e used wit	h a wide		
PB306-P1     PDC @ 14 (MV, 21mm DP (Hg)     10.67     10.25     20     Cut water	Ū	100/1000 Base-T PoE Splitter/Tap with Adjustable DC Output	33.00	31.02	29.04	CALL		
PB306-P1     PDC @ 14 (MV, 21mm DP (Hg)     10.67     10.25     20     Cut water	Switching Power Su	pplies						5-R0512
FS1242-218   12 V0C 02 A (AW), 21mm Right Angine Dr Puig   15.4   14.30   CALL     FS1540-2171   12 V0C 02 A (AW), 21mm Right Angine Dr Puig   22.88   20.97   CALL     FS1560   15 V0C 02 A (AW), 21mm Right Angine Dr Puig   25.85   25.84   24.82   CALL     FS1560   15 V0C 02 A (AW), 21mm Right Angine Dr Puig   25.85   25.43   24.82   CALL     FS1560   15 V0C 02 A (AW), 21mm Right Angine Dr Puig   25.85   25.43   24.82   CALL     FS1560   C (Admetter Puig D A (Admet), 21mm Right Angine Dr Puig   53.60   63.08   60.48   57.56   CALL     FS1400-2170   C (Admetter Puig D A (Admet), 25mm Right Angine Dr Puig   A (Admet)   3.33   3.22   CALL     FS1400-2170   FS140 F Puig   FS140 F Puig   FS140 F Puig   SA (Admet)   CALL   SA (Admet)   CALL   SA (Admet)			10.67	10.25	9.82	CALL		10 110012
F51240-21R   12 VDC 9 3.334 (4000, 21mn Right Angle DC Plug   22.30   21.88   25.80   20.97   CALL     F51565   15 VDC 44.46 (600), 21mn Right Angle DC Plug   26.36   95.38   58.30   CALL     F54870-2287   44 VDC 91 A (4800, 22mn Right Angle DC Plug, 3A Fuse   26.36   9.53   S.53   CALL     Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m)   10.36   9.95   9.53   CALL     PS-UBITER 06   Caparetie Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m)   10.36   9.95   9.53   CALL     PS-UBITER 06   Caparetie Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m)   10.36   9.93   9.53   CALL     PS-UBITER 06   Caparetie Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m)   10.38   3.81   CALL     PS-UBITER 06   Caparetie Plug USA/AC Power Coxt, 10ft (0.3m)   3.81   3.48   CALL   VIETER     PS-UBITER 06   2.0004/21 Af PLoE 201.8002.341/A Cot Plug VIETER 06   2.000   CALL   VIETER 06   VIETER 06     PLANET 80C2.331/ af PCE Extenders   5.000   CALL   S.200   CALL   VIETER 06   VIETER 06     PLANET 1001// VIET 2001/VIET 2001/VIE 2001/VIE 2							PS1240-21B	
PS:96   15/00: 04: 44.09%, 21mm DCPug   93.26   98.38   25.34   24.82   24.44     PS:449-258   4490: 05: 15.67 (WR), 25mm flight Angle DCPug   63.00   60.44   57.96   CALL     Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 01 (1.8m)   10.36   9.95   9.53   CALL     Accessories   PS-4011   PS-401   14.4   3.73   3.32   CALL     BS:0000   2.0 onderbr Plug 12.1mm Right Angle DC Plug, 3A Fuse, 01 (1.8m)   10.36   9.95   9.33   CALL     Accessories   PS-4011   Differed Plug 12.1mm Right Angle DC Plug, 3A Fuse, 01 (1.8m)   13.46   3.22   CALL     Torm   District Plug 13.47.06 Paper Pope 13.01   District Plug 13.47.06 Paper Pope 13.01   13.81   3.46   3.22   CALL     PLANET S PGE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3at/96 Dover the standard 100m (32.61).CATS/67.01 UP cable to 200m, 300 m rowe.   73.00								
PR3470-25R   49 VDC @ 1.36, ZMM, 2.5mm Right Angle DC Plug, 3A Fuse,     Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse,   0.30   60.48   57.96   CALL     PS-UBITER-V6   Cigartle Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6t (1.8m)   10.36   9.55   9.55   CALL     Accessories   PS-RD1   ED Hor Earo Round Earo A Born Round to US NBMA 6-158 FBt A/C Adagter   4.14   3.73   3.32   CALL     PS6:0012   2 Conductor Play, US/AC New Codt, 1.011 (0.3m)   4.14   3.36   S.81   CALL     PSC:002   2 Conductor Play, US/AC New Codt, 1.011 (0.3m)   4.14   3.36   CALL   View Codt, 1.011 (0.3m)   4.14   3.36   CALL     PLANET SPC Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af O Evert restred and 1000 (328H) (JATSe/6 UTP cable to 200m, 300m or more.   7.000   7.000     PLANET SPC Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af O Evert restred and 1000 (328H) (JATSe/6 UTP cable to 200m, 300m or more.   7.000   7.000     PLANET SPC Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af O Evert restred and 1000 (328H) (JATSe/6 UTP cable to 200m, 300m or more.   7.000   7.000   7.000   7.000   7.000   7.0					85.80			
Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse.     PS-LBITER-06   Cigaretie Plug to 2.1mm Right Angle DC Plug, 3A Fuse. (Bt (1.8m)   10.36   9.95   9.53   CALL     Accessories   Biscelii   US Plat or Euro Round to Euro A Rum Round A/C Adapter   4.14   3.73   3.32   CALL     PS-REII   US Plat or Euro Round to Euro A Rum Round A/C Adapter   4.14   3.73   3.32   CALL     PSC0002   2. Conductor Plug, USAA/O Power Cord, 1.0ft (0.8m)   3.61   3.46   3.22   CALL     Recomed and to US REAL Adapter   List Price   List Price   List Price								
PS-UGHTEN-06     Cigarette Plug to 2.1mm Right Ängle DC Plug. 3A Fuse, 6it (1.8m)     10.36     9.95     9.53     CALL       Accessories     PSX-Etit     Etit or Euro Round to Euro A.8mm Round A/C Adapter     4.14     3.73     3.32     CALL       PSX-Etit     EU / 4/4 Amm Round A/C Adapter     4.14     3.78     3.32     CALL       PSX-Etit     EU / 4/4 Amm Round A/C Adapter     4.14     3.78     3.32     CALL       PSX-Etit     Disk of the Public X-10 (0.3m)     3.61     3.46     3.31     CALL       PCMENTS     Disk of the Public X-10 (0.3m)     List Price     Public X-10 (0.3m)     Public X-10 (0.3m)     Public X-10 (0.3m)       PLANE'Ts POE Extenders     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 m (328th / CH Public X-10 (0.3m)     Standard 100 (0.3m)     Standard 100 (0.3m)			63.00	60.48	57.96	CALL	8	
Accessories       PSK-B11     US Flat or Euro Round to Euro 4.8mm Round A/C Adapter     4.14     3.73     3.32     CALL       PSK-B12     EU 4/4 Amm Round to Euro 4.8mm Round A/C Adapter     4.14     3.73     3.32     CALL       PSC-B12     EU 4/4 Amm Round to Euro 4.8mm Round A/C Adapter     4.14     3.83     3.81     CALL       PSC-B12     EU 4/4 Amm Round to Euro 4.8mm Round A/C Adapter     4.14     3.84     3.81     CALL       PSC-B12     Conductor Plug, USA/AC Power Cord, 1.0ft (0.3m)     4.14     3.84     3.81     CALL       PLANET SPGE Extenders     Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PGE over the tandard 100m (32btt) CATS-600m, 300m or more.     52.00     70	•		10.26	0.05	0.52	CALL		
PSX.BUI   US Flat & Euro Round to Euro A Mam Round A/C Adapter   4.14   3.73   3.32   CALL     PSX-BU2   EU /4.8mm Round to Euro A Amm Round A/C Adapter   4.14   3.73   3.32   CALL     PSX-BU2   2 Conductor Phus, USA /CP Over Cord, 1.011 (0.3m)   3.61   3.46   3.32   CALL     Item #   Description   List Price     PALNET SP CE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PCE Cver the standard 100m (3281), CATS/e/6 UTP cable to 200m, 300m or more.   9000   9000   9000 <td></td> <td>Gigarette Flug to 2. Think Fught Angle DC Flug, SA Fuse, or (1.611)</td> <td>10.30</td> <td>9.95</td> <td>9.00</td> <td>GALL</td> <td></td> <td></td>		Gigarette Flug to 2. Think Fught Angle DC Flug, SA Fuse, or (1.611)	10.30	9.95	9.00	GALL		
PS-EUZ   EU 4/4.8mm Round to US NEMA 6-19F Flat A/C Adapter   4.14   3.73   3.22   CALL     PSCORD2   2 Conductor Phul, USA/AC Power Cont (100, 3m)   3.61   3.46   3.32   CALL     Item #   Description   List Price     PLANETS 802.3at/af POE Extenders   No		US Flat or Furo Round to Furo 4.8mm Bound A/C Adapter	1 11	3 73	3 32	CALL		
PSCORD3     3 Conductor Plug, USA/AC Power Cord, 10ft (0.3m)     3.61     3.46     3.32     CALL       Imm #     Description     List Price       PLANET 802.3at/ AP DE Extenders     Description     List Price       PLANET 802.3at/ AP DE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PoE over the standard 100m (326ft) CATSe/6 UTP cable to 200m, 300m or more.     PDC       PDE-FTE101     PLANET POE-E101 802.3at/af I-Port Long Beach PGE over UTP Extender     52.00       PT-LBP-101-KIT     PLANET 1082.3at/af 1-Port Long Beach PGE over UTP Extender     300.00       PT-LBP-101-KIT     PLANET 1082.3at/af 1-Port Long Beach PGE over UTP Extender     300.00       PT-LBP-101-KIT     PLANET 1082.3at/af 1-Port Long Beach PGE over UTP Extender     300.00       PT-LBP-101-KIT     PLANET 1082.3at/af 1-Port Long Beach PGE over UTP Extender     300.00       PT-LBP-101-KIT     PLANET 1082.3at/af 1-Port Long Beach PGE over UTP Extender     300.00       PT-LBP-101-KIT     PLANET 1082.3at PGE highed Drower Supply     30.00       PDE-FT13     PLANET POE-1305 S12 VDG, 802.3at PGE bighed Drower Supply     30.00       PT-POE-171     PLANET POE-12006 44 VDC, 12-Port 802.3at PGE highed Dr Hub     290.14       PDE-FT1200								
Item #   Description   List Price     PLANET's Pole Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PoE over the standard 100m (328th.) CAT5e/6 UTP cable to 200m, 300m more.   S2.00     P0E-PTE101   PLANET POE-Etol 802.3at/at Gigabit POE Extender   52.00     P0E-PTE101   PLANET IPOE-Etol 802.3at/at Gigabit POE Extender   73.00     P0E-PTE101   PLANET IPOE-Etol 802.3at/at Gigabit POE Extender   73.00     PT-IRP-1010-KHT   PLANET IPOE-Etol 802.3at/at 1-Port Long Reach PGE over COax Extender   300.00     PT-IRP-1010-KHT   PLANET IPOE-Etol 802.3at/at 1-Port Uttr 80.23 at/et 1-Port Gigabit POE Extender   30.00     PT-IRPE-1015   PLANET IPOE-E102 Undustrial 1-Port Uttr 80.23 at PEE to PLOT 802.3at PEE Solitex, Included Power Supply   30.00     PDE-PT132   PLANET POE-1120 MSV 000.203.2t PEE to PLOT 802.3at PEE Solitex, Included Power Supply   30.00     PT-PDE-1715   PLANET POE-1120 MSV 000.203.2t PEE to PLOT REACON 80.2200   30.00     PDE-PT1200   PLANET POE-1200.48 VOC, 12-Port 802.3at PEE were Cables   80.00     PDE-PT1200   PLANET POE-1200.48 VOC, 12-Port 802.3at PEE were Cables   80.00     PDE-PT1200   PLANET POE-1200.48 VOC, 12-Port 802.3at PEE were Cable							Alt	
PLANET's PoE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PoE over the standard 100m (32811), CATSe/6 UTP cable to 200m, 300m or more.     POE-PTEIO1   PLANET POE Extenders   73.00     POE-PTEIO1   PLANET POE Extender   73.00     PT-LPP-1011-K/T   PLANET POE Extender   73.00     PT-LPP-1011-K/T   PLANET IPOE E201 802.3at/6 Extender   300.00     PT-LPP-1011-K/T   PLANET IPOE E201 802.3at/6 Extender   300.00     PT-LPP-1011-K/T   PLANET IPOE E201 Rouz 3at/at 1-Port Long Reach PoE over UTP Extender   300.00     PT-LPP-1011-K/T   PLANET IPOE E202 Industrial 1-Port B02.3at / 2 Fort B02.3a		<b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3.61	3.46		-	PS-LIGHTER-06	
PLANET's PoE Extenders are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at/802.3af PoE over the standard 100m (3281t) CATSe/6 UTP cable to 200m, 300m or more.   52.00     POE-PTEID1   PLANET POE-E101 802.34 PDE Extender   73.00     PTI-PTEID1   PLANET POE-E101 802.34 PDE Extender   73.00     PTI-PTEID1   PLANET POE-E101 802.34 PDE Extender   300.00     PTI-PTEID1   PLANET POE-E101 802.34 PDE Extender   300.00     PTI-PTEID1   PLANET POE-E201 802.34 PDE 1-POE -E301 802.34 PDE Extender   300.00     PTI-PTEID1   PLANET POE-E301 802.34 PDE 1-POT 1003 Sat PDE POE Coax Extender   300.00     PTI-PTEID2   PLANET IPDE-E302 Industrial 1-Port 108.23 at PDE to 2-Port 802.3at Extender   300.00     PTI-PDE-E173   PLANET PDE-E174 802.3at/A1 1-Port 108 Cast PDE to 2-Port 802.3at Extender   30.00     PTI-PDE-E173   PLANET PDE-1716 802.3at/PDE to 10 cast PDE byte to 2-Port 802.3at Extender   30.00     PTI-PDE-171   PLANET PDE-1716 802.3at/PDE byte to 2-Port 802.9at PDE byte to 2-Port 802.3at Gigabit PDE injector Hub   290.14     PDE-PT1200   PLANET PDE-1200 64 WDC, 12-Port 802.3at PDE injector Hub   322.00     PDE-PT1200   PLANET PDE-2006 48 VDC, 12-Port 802.3at PDE inject					Lis	t Price		
standard 100m (328ft.) CATSe/6 ÚTP cable to 200m, 300m or more. PDE-PTE:01 PLANET POE-E1018 02: 3at/a fb Extender 52.00 PDE-PTE:01 PLANET POE-E1018 02: 3at/a fb Extender 73.00 PT-LRP-1011-KIT PLANET POE-E108 02: 3at/a fb -Port Long Reach PoE over UTP Extender 300.00 PT-LRP-1010-KIT PLANET IPOE-E120 Rob: 3at/a fb -Port Long Reach PoE over Coax Extender 300.00 PT-IPOE-E202 PLANET IPOE-E174 802: 3at/a fb -Port Long Reach PoE over Coax Extender 305.00 PT-IPOE-E202 PLANET IPOE-E174 02: 3at/a fb -Port 10:02 3at PoE + to 2-Port 802: 3at/a fb -Port 602: 3at/a fb -Port fb -Port 712: 7b -Port 712: 7b -Port 602: 3at fb -Port 602: 3at/a fb -Port fb -Port 712: 7b -Port 712: 7b -Port 712: 7b -Port 712: 7b -Port 700; 7b -Port 712: 7b -Port 702: 3at Port Fb -Port 712: 7b -Por	PLANET 802.3at/af I	PoE Extenders					i i i i i i i i i i i i i i i i i i i	
PDE-PTE201     PLANET P0E-E201 80.2.3at/at Gigabit PoE Extender     73.00       PT-LRP-101U-KIT     PLANET LRP-101U-KIT 802.3at/at 1-Port Long Reach PoE over Coax Extender     300.00       PT-LRP-101U-KIT     PLANET IP0-E202 Industrial 1-Port 802.3at /at 1-Port Long Reach PoE over Coax Extender     300.00       PT-H2RP-101U-KIT     PLANET IP0-E202 Industrial 1-Port 802.3at /at 1-Port Gigabit PoE Extender     305.00       PT-H2RP-101U-KIT     PLANET IP0-E174 802.3at /at 1-Port Gigabit PoE Extender     35.00       PLANET TSX & <b>17X</b> Scries POE Injector and Splitters     33.00       PDE-PT152S     PLANET POE-154 80/2.3at /at 1-Port Uitra PoE Splitter, Include Power Supply     33.00       PT-P0E-171S     PLANET POE-1716 GW, Single Port, Gigabit Uitra PoE Injector, Includes Power Cables     88.00       PLANET POE-171S     PLANET POE-1716 GW, Single Port, Gigabit Uitra PoE Injector Hub     290.14       PDE-PT1200     PLANET POE-1200 48 VDC, 12-Port 802.3at PoE Injector Hub     290.14       PDE-PT1200     PLANET POE-1200 48 VDC, 12-Port 802.3at PoE Injector Hub     290.14       PDE-PT1200     PLANET POE-1200 48 VDC, 12-Port 802.3at PoE Injector Hub     290.14       PDE-PT1200     PLANET POE-1200 48 VDC, 12-Port 802.3at PoE Injector Hub     290.14       PDE-PT1200     PLANET POE-120			IEEE 8	02.3at/80	2.3af PoE	over the	117	
PT-LRP-101C-KIT     PLANET LRP-101U-KIT 802.3at/at 1-Port Long Reach PoE over Coax Extender     300.00       PT-LRP-101C-KIT     PLANET IPDE-E202     PLANET IPDE-E202 Industrial 1-Port 802.3at PoE to 2-Port 802.3af Extender     305.00       PT-LPDE-E174     PLANET IPDE-E174 802.3at/at 1-Port Ultra PoE to 2-Port 802.3af Extender     305.00       PLANET 15X & 17X Series POE Injector and Splitters     33.00       PDE-PT151     PLANET POE-151 48 VDC, 802.3at PoE higetor, Included Power Supply     33.00       PDE-PT152S     PLANET POE-151 48 VDC, 802.3at PoE higetor, Included Power Supply     33.00       PT-PDE-177     PLANET POE-1718 CVC, 802.3at PoE higetor, Includee Power Supply     38.00       PT-PDE-171     PLANET POE-1718 CVC, 602.3at PoE higetor Hube     88.00       PLANET POE Injector Hubs     290.14       PDE-PT1200     PLANET POE-1200 48 VDC, 12-Port 802.3af Gigabit POE Injector Hub     322.00       PDE-PT12006     PLANET POE-1200 48 VDC, 12-Port 802.3af Gigabit POE Injector Hub     39.00       PDE-PT12006     PLANET POE-200 48 VDC, 24-Port 802.3af Gigabit POE Injector Hub     39.00       PLANET POE Ethernet Switches are designed to provide data and power to a wide range POE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.     89.00								-
PT-IP0E-E174     PLANET IP0E-E174 802.3at/af 1-Port Ultra PoE to 4-Port Gigabit PoE Extender     185.00       PLANET 15x & 17x Series PoE Injector and Splitters     33.00       P0E-PT151     PLANET POE-151 48 VDC, 802.3at PoE Injector, Included Power Supply     33.00       P0E-PT152     PLANET POE-151 48 VDC, 802.3at PoE Splitter, Included Power Supply     33.00       PT-P0E-171     PLANET POE-171 60V, 802.3at PoE Splitter, Included Power Supply     30.00       PT-P0E-171     PLANET POE-171 52/19/24 VDC, Gigabit Ultra PoE Splitter, Includes Power Cables     88.00       PLANET POE Injector Hubs     290.14       P0E-PT1200     PLANET POE-12006 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub     290.14       P0E-PT12006     PLANET POE-24006 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub     322.00       P0E-PT12006     PLANET POE-24006 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub     322.00       P0E-PT12006     PLANET POE-24006 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub     322.00       P0E-PT1200     PLANET FOE-24006 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub     322.00       P0E-PT12006     PLANET POE-24006 48 VDC, 24-Port 802.3af PoE + PoE-4000 10/0007 0007 802.3ar PoE + DE-4000 49 MDE     89.00       P1-FSO-604HP     PUANET GSD-604HP 4-Port 10/10071 802.3ar PoE + Wit							PO	E-PTE201
P0E-PT151 P0E-PT1528PLANET P0E-151 48 VDC, 802.3at P0E Injector, included Power Supply33.00P0E-PT1528PLANET P0E-1718PLANET P0E-1528 5/12 VDC, 802.3at P0E Splitter, included Power Supply33.00PT-P0E-1711PLANET P0E-1716 0W, Single Port, Gigabit Ultra P0E Injector, includes Power Supply99.00PT-P0E-1715PLANET P0E-1718 12/19/24 VDC, Gigabit Ultra P0E Splitter, includes Power Cables88.00PLANET P0E-1715PLANET P0E-1718 12/19/24 VDC, Gigabit Ultra P0E Splitter, includes Power Cables89.00PLANET P0E-17180PLANET P0E-1718 12/19/24 VDC, Gigabit Ultra P0E Splitter, includes Power Cables88.00P0E-PT1200PLANET P0E-1200 48 VDC, 12-Port 802.3af Gigabit P0E Injector Hub290.14P0E-PT1200PLANET P0E-24006 48 VDC, 24-Port 802.3af Gigabit P0E Injector Hub322.00P0E-PT24006PLANET P0E-24006 48 VDC, 24-Port 802.3af Gigabit P0E Injector Hub494.00PLANET 's POE Ethernet switches are designed to provide data and power to a wide range P0E compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.89.00PT-GSD-604HPPLANET GSD-602.4HP 4-Port 10/100/1000T 802.3at P0E+ SPF Gigabit Ethernet Switch89.00PT-GSD-1022VHPPLANET GSD-1022VHP 8-Port 10/1000T 802.3at P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00PT-GSW-302VHPPLANET FGSD-1022VHP 8-Port 10/100T 802.3at P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00PT-FGSW-362VHPPLANET FGSW-3622VHP 16-Port 10/100T 802.3at P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00PT-FGSW-362VHPPLANE								<b>X</b>
P0E-PT152SPLANET POE-152S 5/12 VDC, 802.3at PoE Splitter, Included Power Supply33.00PT-P0E-171PLANET POE-1716 GUV, Single Port, Gigabit Ultra PoE Injector, Includes Power Cables99.00PT-P0E-171SPLANET POE-171S 12/19/24 VDC, Gigabit Ultra PoE Splitter, Includes Power Cables88.00PLANET POE Injector HubsP0E-PT1200PLANET POE-1200 48 VDC, 12-Port 802.3af PoE Injector Hub290.14P0E-PT1200GPLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub322.00P0E-PT2400GPLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub494.00P0E-PT2400GPLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub494.00PLANET's PoE Ethernet Switchesare available in wall mount, rack mount and industrial IP67 rated versions.89.00PT-GSD-604HPPLANET GSD-604HP 4-Port 10/100/1000T 802.3at POE+ Desktop Gigabit Ethernet Switch89.00PT-GSD-604HPPLANET GSD-604HP 4-Port 10/100/1000T 802.3at POE+ SPF Gigabit Ethernet Switch89.00PT-FGSW-2620HPPLANET FGSW-2620HP 24-Port 10/100/1000T 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch185.00PT-FGSW-1822VHPPLANET FGSW-1822VHP 16-Port 10/1000T 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch382.00PT-FGSW-1822VHPPLANET FGSW-1822VHP 24-Port 10/1000T 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch382.00PT-FGSW-1822VHPPLANET FGSW-1822VHP 16-Port 10/1000T 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch382.00PT-FGSW-2622VHPPLANET FGSW-2622VHP 24-Port 10/1000T 802.3at POE+ with 2-Port Gigabit TP/	PLANET 15x & 17x S	eries PoE Injector and Splitters						<b>N</b> ew
PT-P0E-171 PT-P0E-171PLANET POE-171 60W, Single Port, Gigabit Ultra PoE Injector, Includes Power Supply99.00 88.00PT-P0E-171SPLANET POE-171S 12/19/24 VDC, Gigabit Ultra PoE Splitter, Includes Power Cables98.00PLANET POE Injector Hubs290.14 322.00P0E-PT1200 P0E-PT12006PLANET POE-1200 48 VDC, 12-Port 802.3af PoE Injector Hub290.14 322.00P0E-PT24006PLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub392.00PLANET PoE Ethernet Switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.99.00PT-GSD-1022VHP PT-GSD-1022VHPPLANET FGSD-1022VHP 3-Port 10/1007 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch89.00 111.00PT-GSD-1022VHP PT-GSW-2622VHPPLANET FGSW-2622VHP 24-Port 10/1007 X802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch185.00 328.00PT-GSW-2622VHP PT-GSW-2622VHPPLANET FGSW-322VHP 3-Port 10/1007 X802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch388.00PT-SW-804PT-M12PLANET FGSW-802VHP 24-Port 10/1007 X802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch389.00 389.00PT-FGSW-8022VHPPLANET FGSW-802VHP 24-Port 10/1007 X802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch389.00 								
POE-PT1200 P0E-PT1200GPLANET POE-1200 48 VDC, 12-Port 802.3af PoE Injector Hub290.14 322.00POE-PT1200GPLANET POE-1200G 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub322.00POE-PT2400GPLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub494.00PLANET POE Ethernet SwitchesPLANET PoE Ethernet Switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.PT-GSD-604HP PT-GSW-2620HPPLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch89.00 411.00PT-GSW-2620HP PT-FGSW-2620HPPLANET GSW-2620HP 24-Port 10/1000T 802.3at PoE+ SPF Gigabit Ethernet Switch89.00 411.00PT-FGSW-2620HP PT-FGSW-2620HPPLANET FGSW-2620HP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch89.00 411.00PT-FGSW-2620HP PT-FGSW-2622VHPPLANET FGSW-2622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 328.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 328.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 392.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch392.00 392.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SF							PT-LRP	-101C-KIT
POE-PT1200 P0E-PT1200GPLANET POE-1200 48 VDC, 12-Port 802.3af PoE Injector Hub290.14 322.00POE-PT1200GPLANET POE-1200G 48 VDC, 12-Port 802.3af Gigabit PoE Injector Hub322.00POE-PT2400GPLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub494.00PLANET POE Ethernet SwitchesPLANET PoE Ethernet Switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.PT-GSD-604HP PT-GSW-2620HPPLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch89.00 411.00PT-GSW-2620HP PT-FGSW-2620HPPLANET GSW-2620HP 24-Port 10/1000T 802.3at PoE+ SPF Gigabit Ethernet Switch89.00 411.00PT-FGSW-2620HP PT-FGSW-2620HPPLANET FGSW-2620HP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch89.00 411.00PT-FGSW-2620HP PT-FGSW-2622VHPPLANET FGSW-2622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 328.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 328.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch328.00 392.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch392.00 392.00PT-FGSW-2622VHP PT-FGSW-2622VHPPLANET FGSW-3622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SF	PLANET PoE Injector	Hubs						
POE-PT2400G   PLANET POE-2400G 48 VDC, 24-Port 802.3af Gigabit PoE Injector Hub   494.00     PLANET POE Ethernet Switches   9     PLANET's PoE Ethernet switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.   9     PT-GSD-604HP   PLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch   89.00     PT-GSD-1022VHP   PLANET GSD-604HP 4-Port 10/100/1000T 802.3at POE+ SFP Gigabit Ethernet Switch   185.00     PT-GSD-1022VHP   PLANET FGSW-1822VHP 9-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-GSW-322VHP   PLANET FGSW-1822VHP 4-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-322VHP   PLANET FGSW-1822VHP 4-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-322VHP   PLANET FGSW-1822VHP 4-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-322VHP   PLANET FGSW-322VHP 4-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-322VHP   PLANET FGSW-322VHP 4-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   329.00     PT-FSW-804PT-M12   PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100M	P0E-PT1200	PLANET POE-1200 48 VDC, 12-Port 802.3af PoE Injector Hub						
PLANET POE Ethernet Switches     PLANET's PoE Ethernet switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions.     PT-6SD-604HP   PLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch   89.00     PT-6SW-2620HP   PLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ SFP Gigabit Ethernet Switch   411.00     PT-6SW-2620HP   PLANET GSD-1022VHP 8   PLANET FGSW-3234 POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   185.00     PT-FGSW-1822VHP   PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-2622VHP   PLANET FGSW-1822VHP 24-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-2622VHP   PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FGSW-822VHP   PLANET FGSW-822VHP 24-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch   328.00     PT-FSW-804PT-M12   PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet POE Switch   410.00							PT-I	P0E-E202
PLANET'S POE Ethernet switches are designed to provide data and power to a wide range PoE compatible devices. These feature packed switches are available in wall mount, rack mount and industrial IP67 rated versions. PT-GSD-604HP PLANET GSD-604HP 4-Port 10/100/1000T 802.3at PoE+ Desktop Gigabit Ethernet Switch 89.00 PT-GSW-2620HP PLANET GSW-2620HP 24-Port 10/100/1000T 802.3at PoE+ SFP Gigabit Ethernet Switch 411.00 PT-FGSW-2620HP PLANET GSW-2620HP 24-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 185.00 PT-FGSW-2622VHP PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 328.00 PT-FGSW-2622VHP PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 328.00 PT-FGSW-2622VHP PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 328.00 PT-FGSW-822VHP PLANET FGSW-822VHP 124-Port 10/100TX 802.3at POE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 328.00 PT-FSW-804PT-M12 PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet PoE Switch 410.00		, <b>,</b> ,				494.00		
are available in wall mount, rack mount and industrial IP67 rated versions.       PT-6SD-604HP     PLANET GSD-604HP 4-Port 10/100/1000T 802.3at P0E+ Desktop Gigabit Ethernet Switch     89.00       PT-GSD-604HP     PLANET GSD-604HP 4-Port 10/100/1000T 802.3at P0E+ SPP Gigabit Ethernet Switch     411.00       PT-GSW-2620HP     PLANET GSW-2620HP 24-Port 10/100/1000T 802.3at P0E+ SPP Gigabit Ethernet Switch     411.00       PT-FGSD-1022VHP     PLANET FGSW-1022VHP 8-Port 10/100TX 802.3at P0E+ with 2-Port Gigabit TP/SPP Combo Ethernet Switch     185.00       PT-FGSW-1822VHP     PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at P0E+ with 2-Port Gigabit TP/SPP Combo Ethernet Switch     328.00       PT-FGSW-822VHP     PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at P0E+ with 2-Port Gigabit TP/SPP Combo Ethernet Switch     328.00       PT-FGSW-822VHP     PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at P0E+ with 2-Port Gigabit TP/SPP Combo Ethernet Switch     392.00       PT-SW-804PT-M12     PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet P0E Switch     410.00			aviana T	haaa faatu	ro pooled	witchco		
PT-GSW-2620HP     PLANET GSW-2620HP 24-Port 10/100/1000T 802.3at P0E+ SFP Gigabit Ethernet Switch     411.00       PT-GSD-1022VHP     PLANET FGSD-1022VHP     PLANET FGSD-1022VHP     PLANET FGSD-1022VHP     PLANET FGSD-1022VHP     PLANET FGSD-1022VHP     PLANET FGSW-324 P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch     185.00     P0E-PT152S       PT-FGSW-2822VHP     PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch     328.00     328.00       PT-FGSW-2822VHP     PLANET FGSW-302.3at P0E+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch     392.00     VECOMP       PT-FGSW-842PH-MP2     PLANET FGSW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet P0E Switch     392.00     VECOMP	are available in wall mount	, rack mount and industrial IP67 rated versions.	evices. I	nese reatu	re packed		NIAW Sharks	- /1
PT-FGSW-1822VHP PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 328.00 PT-FGSW-2622VHP PLANET FGSW-2622VHP 24-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Combo Ethernet Switch 392.00 PT-ISW-804PT-M12 PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet PoE Switch 410.00	PT-GSW-2620HP	PLANET GSW-2620HP 24-Port 10/100/1000T 802.3at PoE+ SFP Gigabit Ethernet Switch				411.00		-
PT-ISW-804PT-M12 PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet PoE Switch 410.00	PT-FGSW-1822VHP	PLANET FGSW-1822VHP 16-Port 10/100TX 802.3at PoE+ with 2-Port Gigabit TP/SFP Com	bo Etherne	t Switch		328.00	PUE-P11525	
	PT-ISW-804PT-M12	PLANET ISW-804PT-M12 Industrial IP67 Rated 8-Port 10/100Mbps M12 Fast Ethernet PoE	Switch			410.00	New	







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