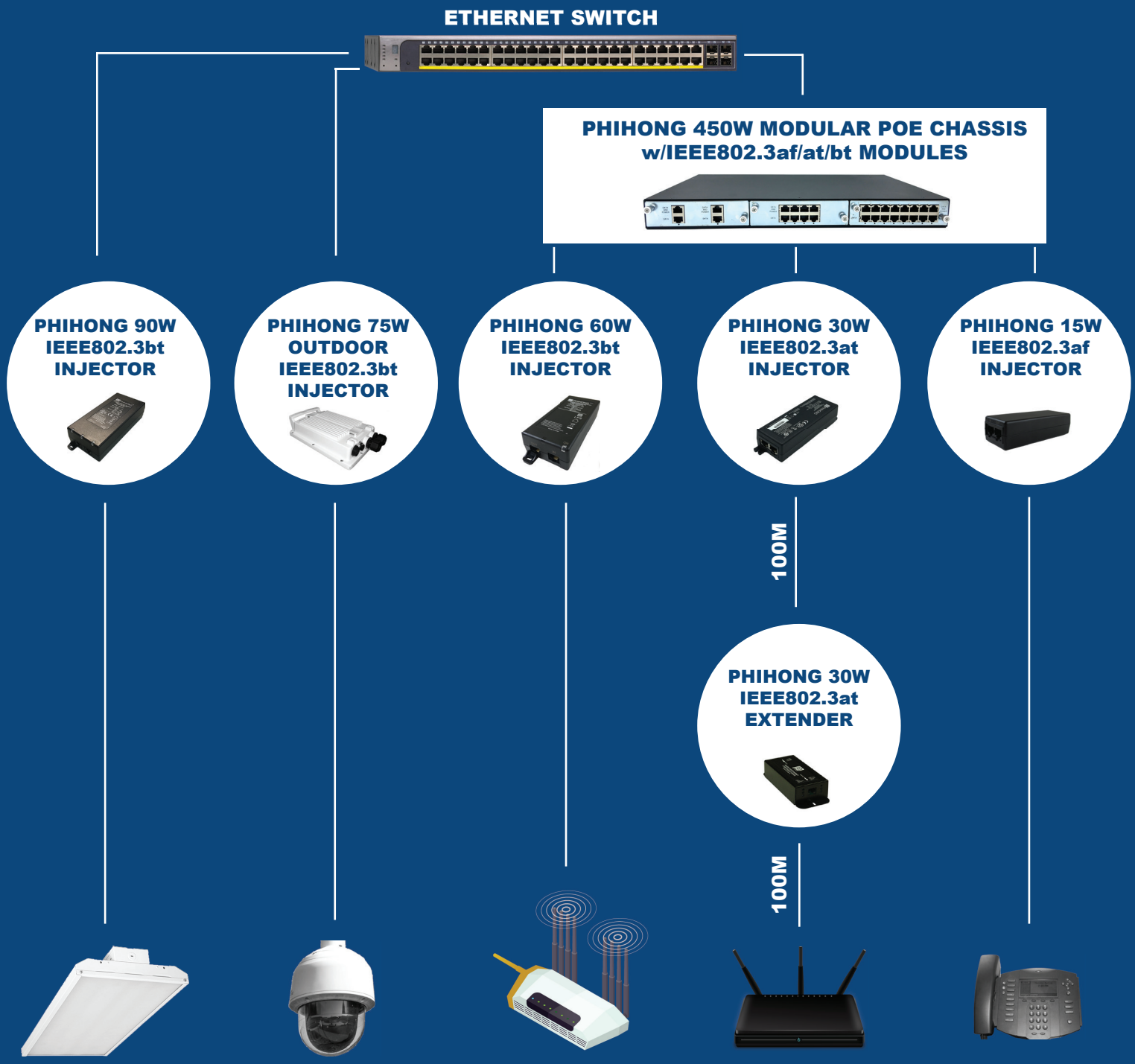
POWER-OVER-ETHERNET PRODUCT CATALOG

PHIHONG



PHIHONG POE SOLUTIONS FOR ANY NETWORK

www.phihong.com

Phihong Power Over Ethernet (POE)

Phihong has been a market leader within the Power Over Ethernet industry since 2004 when it delivered its first POE Midspans. Today, Phihong POE products reliably power over 10 million devices, including IP Phones, WLAN Access Points, Security Cameras, Thin Clients and Kiosks.

Phihong boasts the Industry's largest standard product offering of POE Products, including both passive and active configurations ranging from 15W to 95W per port. Active configurations comply with the IEEE802.3af, IEEE802.3at(POE+) and IEEE802.3bt(POE++) standards.

Phihong's POE portfolio includes the following product types;

- Single Port Injectors
- Multiport Midspans (2 port, 4 port, 8 port, 16 port, 24 port)
- Media Converters
- Pluggable POE Rack System
- Din Rail Clips
- Splitters
- Extenders
- Indoor & Outdoor Injectors

As the only active Power Supply vendor on the IEEE802.3 committee, Phihong continues to play a critical role in defining the reliability and performance standards for all Power Over Ethernet products.

All Phihong IEEE802.3 products are vendor agnostic and will work with any IEEE802.3 compatible PD. Phihong also specializes in custom OEM and ODM designs for any POE application. All Phihong POE products are designed in the US, so please contact your local Phihong sales office today to learn more.

North America - usasales@phihongusa.com
Asia - phsales@phihong.com.tw
Europe - sales@phihongeu.com

Phihong OEM/ODM Capabilities

Since 1972, Phihong has been the top choice by OEM's and ODM's throughout the world, for customized power solutions. Today over 90% of Phihong's business comes from OEM and ODM customers within the Datacom, Telecom, Networking, Personal Electronics & Industrial markets.

Phihong's OEM and ODM capabilities include:

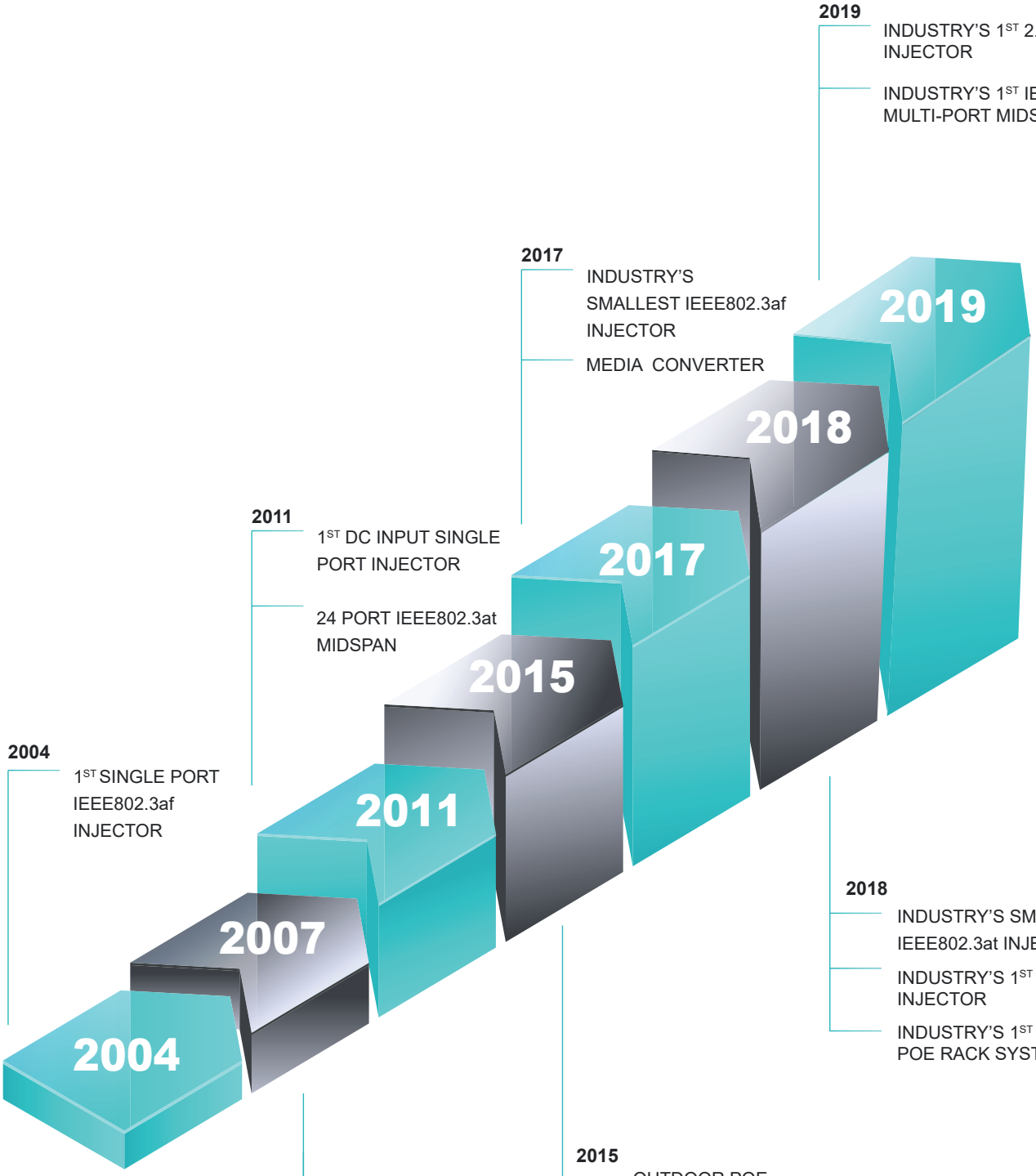
- Simple rebranding of standard off the shelf Phihong product with customer's logo.
- Electrical modifications to standard off the shelf Phihong product.
- Mechanical modifications to standard off the shelf Phihong product, including customized ID.
- Built to print jobs.
- Complete custom designs.

With over 600 Engineering resources spanning North America, Asia and Europe, Phihong has strong localized design teams ready to solve any power problem that you may have. In addition, each OEM and ODM project has a dedicated local Program Management to act as the liaison between the factory and the customer to provide real time answers to any business issue.

Today, all Phihong manufacturing is done at our own factories, which currently include three state of the art manufacturing plants, located in Dongguan, China. We are expanding our Manufacturing footprint into Vietnam, with a new facility going live during Q4-2019. The combination of China & Vietnam manufacturing will continue to provide our OEM and ODM customers with very cost competitive solutions, with tariff mitigation, should the trade dispute between China and US continue.

Phihong's global footprint combined with our ability to provide low cost manufacturing and strong localized technical support provides a unique dynamic to our OEM and ODM customers, that allows us to provide quality solutions on time, to budget and to schedule.

PHIHONG
POE MARKET LEADERSHIP THROUGH CONTINUOUS INNOVATION



2004

1ST SINGLE PORT IEEE802.3af INJECTOR

2007

1ST SINGLE PORT 4 PAIR 60W INJECTOR

1ST 60W MULTIPORT MIDSPAN

1ST 95W MULTIPORT MIDSPAN

2011

1ST DC INPUT SINGLE PORT INJECTOR

24 PORT IEEE802.3at MIDSPAN

2015

OUTDOOR POE

POE EXTENDERS

2017

INDUSTRY'S SMALLEST IEEE802.3af INJECTOR

MEDIA CONVERTER

2018

INDUSTRY'S SMALLEST IEEE802.3at INJECTOR

INDUSTRY'S 1ST IEEE802.3bt INJECTOR

INDUSTRY'S 1ST PLUGGABLE POE RACK SYSTEM

2019

INDUSTRY'S 1ST 2.5G/5G INJECTOR

INDUSTRY'S 1ST IEEE802.3bt MULTI-PORT MIDSPAN

IEEE802.3af AC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE15M-1AFE-R	1	15.4W	1G	90-264VAC C6 connector	Shielded RJ45 Smallest Form Factor	
POE15M-1AFE-2-R	1	15.4W	2.5G	90-264VAC C6 connector	Shielded RJ45 Smallest Form Factor	
POE16R-1AFG-R	1	16W	1G	90-264VAC	Interchangeable AC Clips	
POE29U-1AF-R	1	19.6W	1G	90-264VAC C14 connector	Unshielded RJ45	
POE125U-8-C-R	8	15.4W	1G	90-264VAC C14 connector	Shielded RJ45	
POE125U-8-N-R	8	15.4W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE370U-480-8-R	8	15.4W	1G	90-264VAC C14 connector	Shielded RJ45	
POE370U-480-8-N-R	8	15.4W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE370U-480-16-R	16	15.4W	1G	90-264VAC C14 connector	Shielded RJ45	
POE370U-480-16-N-R	16	15.4W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE370U-480-24-R	24	15.4W	1G	90-264VAC C14 connector	Shielded RJ45	
POE370U-480-24-N-R	24	15.4W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	

IEEE802.3af DC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE20D-1AF-R	1	19.6W	1G	DC 18-72V Terminal Strip	Shielded RJ45	

IEEE802.3at AC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE29U-1AT6-R	1	30W	1G	90-264VAC C14 connector	Unshielded RJ45	
POE29U-1AT(PL)D-R	1	30W	1G	90-264VAC C14 connector	Shielded RJ45	
POEA30U-1AT-R	1	30W	1G	90-264VAC C14 connector	Unshielded RJ45 Smallest Form Factor	
POEA30U-1ATE-R	1	30W	1G	90-264VAC C14 connector	Shielded RJ45 Smallest Form Factor	
POEA30U-1AT-2-R	1	30W	2.5G	90-264VAC C14 connector	Shielded RJ45 Smallest Form Factor	
POEA30U-1AT-5-R	1	30W	5G	90-264VAC C14 connector	Shielded RJ45 Smallest Form Factor	
POEA30U-1AT-X-R	1	30W	10G	90-264VAC C14 connector	Shielded RJ45 Smallest Form Factor	
POE125U-4-AT-R	4	33.6W	1G	90-264VAC C14 connector	Shielded RJ45	
POE125U-4-AT-N-R	4	33.6W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE576U-8AT-R	8	30W	1G	90-264VAC C14 connector	Shielded RJ45	
POE576U-8AT-N-R	8	30W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE576U-16AT-R	16	30W	1G	90-264VAC C14 connector	Shielded RJ45	
POE576U-16AT-N-R	16	30W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE806U-24AT-R	24	33.6W	1G	90-264VAC C14 connector	Shielded RJ45	
POE806U-24AT-N-R	24	33.6W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	

IEEE802.3at DC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE36D-1AT-R	1	33.6W	1G	DC 36-72V Terminal Strip		

IEEE802.3bt AC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE60U-1BT6-R	1	60W	1G	90-264VAC C14 connector	Unshielded RJ45	
POE60U-1BTE-R	1	60W	1G	90-264VAC C14 connector	Shielded RJ45	
POE60U-1BT-2-R	1	60W	2.5G	90-264VAC C14 connector	Shielded RJ45	
POE60U-1BT-5-R	1	60W	5G	90-264VAC C14 connector	Shielded RJ45	
POE60U-1BT-X-R	1	60W	10G	90-264VAC C14 connector	Shielded RJ45	
POE90U-1BT6-R	1	90W	1G	90-264VAC C14 connector	Shielded RJ45	
POE90U-1BT-2-R	1	90W	2.5G	90-264VAC C14 connector	Shielded RJ45	
POE90U-1BT-5-R	1	90W	5G	90-264VAC C14 connector	Shielded RJ45	
POE90U-1BT-X-R	1	90W	10G	90-264VAC C14 connector	Shielded RJ45	
POE90U-1BT-N-R	1	90W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE240U-4BT-R	4	60W	1G	90-264VAC C14 connector	Shielded RJ45	
POE240U-4BT-N-R	4	60W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE576U-8BT-R	8	75W	1G	90-264VAC C14 connector	Shielded RJ45	
POE576U-8BT-N-R	8	75W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE806U-8BT-R	8	90W	1G	90-264VAC C14 connector	Shielded RJ45	
POE806U-8BT-N-R	8	90W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	

MEDIA CONVERTERS

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE60S-1BT-R	1	60W	1G	90-264VAC C14 connector	SFP Port	

NON-IEEE SOLUTIONS AC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE15M-560E-R	1	15.4W	1G	90-264VAC C6 connector	Shielded RJ45 Smallest Form Factor	
POE16R-560L6-R	1	16W	1G	90-264VAC	Unshielded RJ45	
POE29U-560-R	1	30W	1G	90-264VAC C14 connector	Unshielded RJ45	
POEA30U-560E-R	1	30W	1G	90-264VAC C14 connector	Shielded RJ45	
POEA30U-560-2-R	1	30W	2.5G	90-264VAC C14 connector	Shielded RJ45	
POEA30U-560-5-R	1	30W	5G	90-264VAC C14 connector	Shielded RJ45	
POEA30U-560-X-R	1	30W	10G	90-264VAC C14 connector	Shielded RJ45	
POE60U-560E-R	1	60W	1G	90-264VAC C14 connector	Shielded RJ45	
POE60U-560-2-R	1	60W	2.5G	90-264VAC C14 connector	Shielded RJ45	
POE60U-560-5-R	1	60W	5G	90-264VAC C14 connector	Shielded RJ45	
POE60U-560-X-R	1	60W	10G	90-264VAC C14 connector	Shielded RJ45	
POE90U-560-R	1	90W	1G	90-264VAC C14 connector	Shielded RJ45	
POE90U-560-2-R	1	90W	2.5G	90-264VAC C14 connector	Shielded RJ45	
POE90U-560-5-R	1	90W	5G	90-264VAC C14 connector	Shielded RJ45	
POE90U-560-X-R	1	90W	10G	90-264VAC C14 connector	Shielded RJ45	
POE240U-2MP-N-R	2	95W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE240U-4UP-N-R	4	60W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE480U-4UP-R	4	60W	1G	90-264VAC C14 connector	Shielded RJ45	
POE480U-8UP-R	8	60W	1G	90-264VAC C14 connector	Shielded RJ45	
POE576U-4MP-N-R	4	95W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE576U-8UP-N-R	8	72W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	
POE806U-8MP-N-R	8	95W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Management	

NON-IEEE SOLUTIONS DC INPUT

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE75D-1UP-R	1	75W	1G	DC 36-72V Terminal Strip	Shielded RJ45	

OUTDOOR POE

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE30U-1ATO-R	1	30W	1G	90-264VAC	IP67, 6KV Surge	
POE30U-1ATO-10-R	1	30W	10G	90-264VAC	IP67, 6KV Surge	
POE75U-1BTO-R	1	75W	1G	90-264VAC	IP67, 6KV Surge	
POE75U-1BTO-10-R	1	75W	10G	90-264VAC	IP67, 6KV Surge	

MODULAR IEEE802.3af/at/bt SOLUTIONS

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE120-8AF-R	8	16W	1G	55-57VDC	Supports IEEE802.3af detection	
POE120-4AT-R	4	30W	1G	55-57VDC	Supports IEEE802.3af, IEEE802.3at + IEEE802.3bt detection	
POE120-2BT-R	2	75W	1G	55-57VDC	Supports IEEE802.3af, IEEE802.3at, IEEE802.3bt + 12.5K Phihong detection	
63012140009-HA1	-	-	-	-	Single Panel filler for POE450U-24(L)-R	
POE150U-8(L)-R	1	150W	1G	90-264VAC	POE Chassis(1) supports up to one POE module(2): POE120-8AF-R, POE120-4AT-R or POE120-2BT-R	
POE450U-24(L)-R	3	450W	1G	90-264VAC	POE Chassis(1) supports up to three POE modules(2): POE120-8AF-R, POE120-4AT-R, POE120-2BT-R	

NOTES: (1) MODEL INCLUDES CHASSIS ONLY (2) MODULES SOLD SEPARATELY

ACCESSORIES

Model	Product Description	Product Image
POE-CIT-R	Camera installation tool	
POE125U-ACCY-01-R	Rack Mounting Bracket - Install up to 2 POE devices on a 19” frame	

DIN RAIL ACCESSORIES

Model	Product Description	Product Image
POE15-DINKIT-R	metal brackets designed for standard POE15 models to be mounted on din rails	
POEA30-DINKIT-R	metal brackets designed for standard POEA30 models to be mounted on din rails	
POE60-DINKIT-R	metal brackets designed for standard POE60 models to be mounted on din rails	
POE90-DINKIT-R	metal brackets designed for standard POE90 models to be mounted on din rails	

SPLITTERS

Model	# of Ports	DC Output Power	POE Power/ Port	Data Speed	Input	Notes	Product Image
POE14-033-R	1	14W/3.3V		1G	36-56VDC		
POE14-050-R	1	14W/5V		1G	36-56VDC		
POE14-120-R	1	14W/12V		1G	36-56VDC		
POE14-137-R	1	14W/13.7		1G	36-57VDC	battery charging	
POE90D-560SS-R	1	90W/56V		1G	49-57VDC	IEEE802.3bt power injector required	
POE21-120-R	1	21W/12V		1G	45-57VDC	Use with IEEE802.3at compatible Powered Device and IEEE802.3at standards based injector	
POE21-120F-R	1	21W/12V	25.5W	1G	45-57VDC	Use with IEEE802.3af compatible Powered Device and IEEE802.3bt standards based injector	
POE21-120H-R	1	21W/12V	10W	1G	45-57VDC	Use with IEEE802.3af compatible Powered Device and IEEE802.3at standards based injector	
POE21-240-R	1	21W/24V		1G	45-57VDC		

EXTENDERS

Model	# of Ports	Power/ Port	Data Speed	Input	Notes	Product Image
POE16S-1AFG-R	1	19W	1G	45-57VDC	25K Detection IEEE802.3af compliance	
POE30S-1ATG-R	1	30W	1G	50-57VDC	25K Detection IEEE802.3at compliance	
POE60S-4AF-R	5	15.4		36-57VDC		
POE61S-4AF-R	5	15.4		45-57VDC		

About Phihong

Since 1972, Phihong has been at the forefront of technological innovation in power electronics manufacture and design. By employing the latest in technology and research and development, Phihong's customers have continued to expect and receive the best possible products with on-time delivery and exceeding worldwide standards in efficiency and safety.

With a truly international space covering North America, Europe, and Asia, Phihong has design labs and local sales support centers in California, New York, the Netherlands, China, Japan, and Taiwan; Phihong is a top choice for OEMs serving datacom, telecom, personal electronics, networking, lighting, and industrial markets.

Focusing on engineering excellence, product reliability, and a commitment to customer service, sales have continued to grow proving a continued dominance in the power technology industry with a broad line of cost competitive highly efficient products that comply with international standards.

OEMs also choose Phihong to partner on custom projects to meets the needs of very special programs not satisfied by the standard product offerings. With a long history in both standard and custom power designs, Phihong has one of the market's broadest lines of cost competitive and highly reliable power solutions.

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