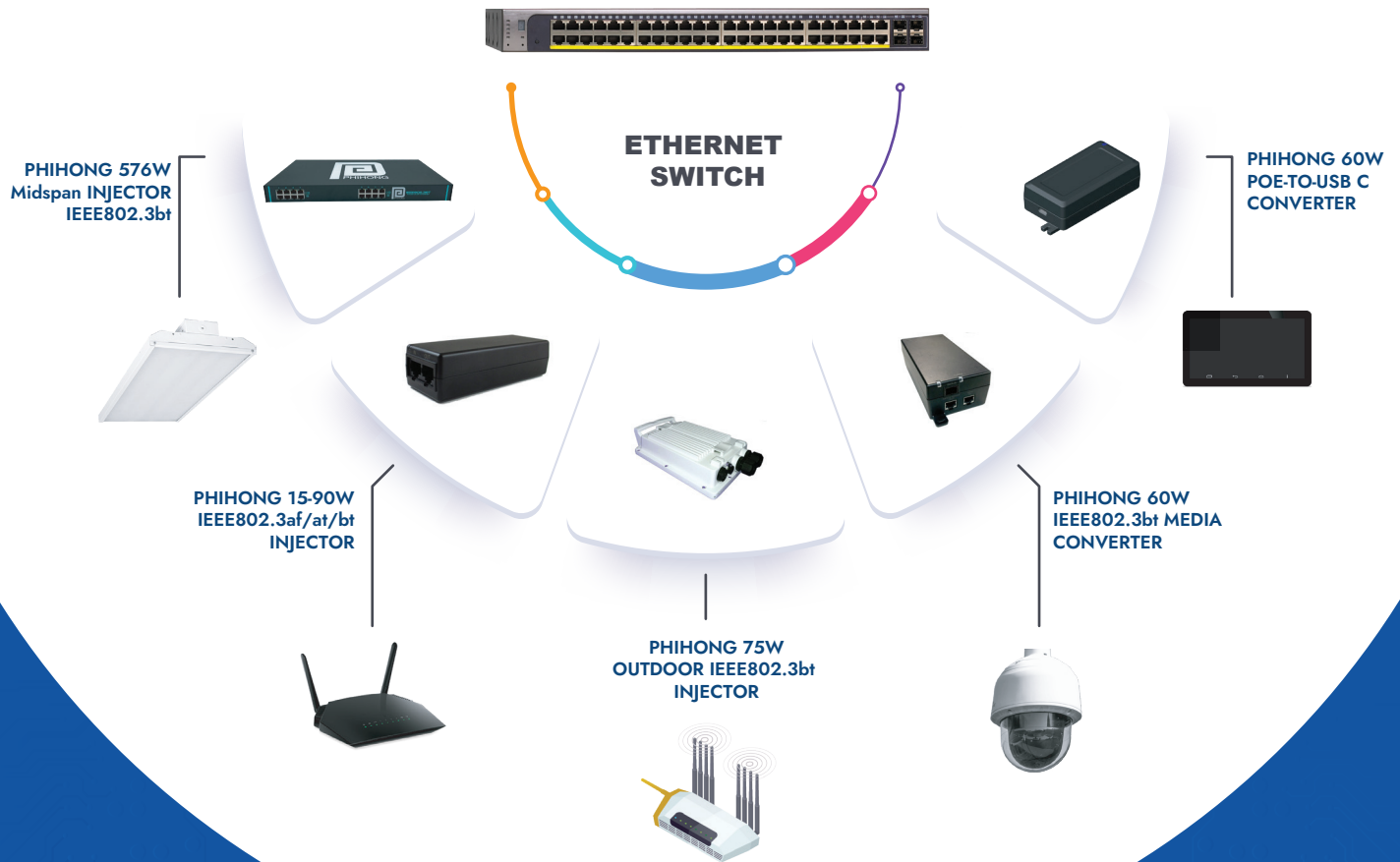


POWER-OVER-ETHERNET PRODUCT CATALOG



PHIHONG POE SOLUTIONS FOR ANY NETWORK

www.phihong.com

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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 90W 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;

- AC Single Port Injectors
- Outdoor Injectors
- Splitters
- Multiport Midspans (4 port, 8 port)
- Media Converters
- PoE to USB C Converters
- DC Single Port 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. Please contact your local Phihong sales office today to learn more.

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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, the majority of Phihong's business comes from OEM and ODM customers within the Datacom, Telecom, Networking, Personal Electronics & Industrial markets.

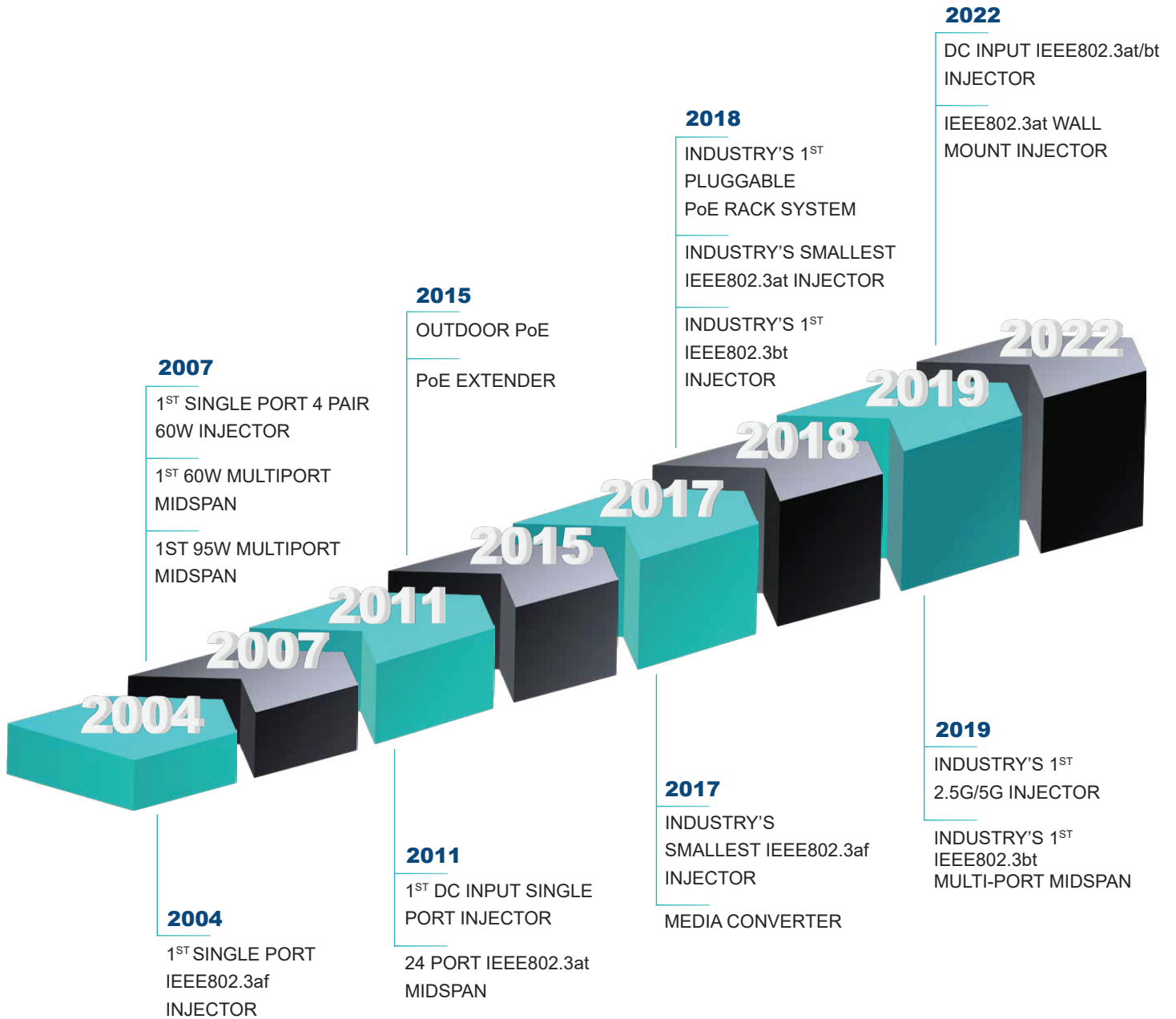
Phihong's OEM and ODM capabilities include:

- 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 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 in Vietnam and China, providing our OEM and ODM customers with very cost competitive solutions as well as tariff and geopolitical risk mitigation. Phihong's global footprint combined with its ability to provide low cost manufacturing and strong localized technical support provides a unique dynamic to our OEM and ODM customers that allows Phihong to provide quality solutions on time and on budget.


PHIHONG PoE MARKET LEADERSHIP THROUGH CONTINUOUS INNOVATION






IEEE802.3af/at AC INPUT WALL MOUNT PoE INJECTORS

Product Image	Model	# of Ports	Power/Port	Data Speed	Input	Notes
	IEEE802.3af	1	15.4W	2.5G	90-264VAC	Unshielded RJ45 Interchangeable AC clips
	IEEE802.3at	1	30W	2.5G	90-264VAC	Unshielded RJ45 Interchangeable AC clips

IEEE802.3af AC INPUT WALL MOUNT PoE INJECTORS

Product Image	Model	# of Ports	Power/Port	Data Speed	Input	Notes
	POE15M-1AFE-R	1	15.4W	2.5G	90-264VAC C6 connector	Shielded RJ45 Smallest Form Factor




IEEE802.3at AC INPUT DESKTOP PoE INJECTORS

Product Image	Model	# of Ports	Power/Port	Data Speed	Input	Notes
	POE29U-1AT(PL)D-R	1	30W	1G	90-264VAC C14 connector	Shielded RJ45
	POEA30U-1ATE-R	1	30W	1G	90-264VAC C14 connector	Shielded RJ45
	POEA30U-1AT-2-R	1	30W	2.5G	90-264VAC C14 connector	Shielded RJ45
	POEA30U-1AT-5-R	1	30W	5G	90-264VAC C14 connector	Shielded RJ45
	POEA30U-1AT-X-R	1	30W	10G	90-264VAC C14 connector	Shielded RJ45
	POEA33U-1ATE-R	1	33W	1G	90-264VAC C14 connector	Shielded RJ45

IEEE802.3bt AC INPUT PoE INJECTORS

Product Image	Model	# of Ports	Power/Port	Data Speed	Input	Notes
	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-N6-R	1	90W	1G	90-264VAC C14 connector	Shielded RJ45 SNMP Network Management
	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
	POE240U-4BT-R	4	60W	2.5G	90-264VAC C14 connector	Desktop
	POE240U-4BT-N-R	4	60W	2.5G	90-264VAC C14 connector	SNMP Network Management
	POE576U-8BT-R	8	72W	2.5G	90-264VAC C14 connector	Rack-Mount
	POE576U-8BT-N-R	8	72W	2.5G	90-264VAC C14 connector	SNMP Network Management




HIGH SURGE PoE INJECTORS – ACTIVE

Product Image	Model	Standard	# of Ports	Power/ Port	Data Speed	Input	Notes
	POE30U-ATA1660-R	IEEE802.3at	1	30W	1G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE30U-ATA2660-R	IEEE802.3at	1	30W	2.5G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE30U-ATA5660-R	IEEE802.3at	1	30W	5G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE30U-ATAX660-R	IEEE802.3at	1	30W	10G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE60U-BTB1660-R	IEEE802.3bt	1	60W	1G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE60U-BTB2660-R	IEEE802.3bt	1	60W	2.5G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE60U-BTB5660-R	IEEE802.3bt	1	60W	5G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE60U-BTBX660-R	IEEE802.3bt	1	60W	10G	90-264VAC C14 connector	6kV L-L/6kV L-PE surge; 6kV output surge
	POE90U-BTA5460-R	IEEE802.3bt	1	90W	5G	90-264VAC C14 connector	4KV L-L/4KV L-E, 6KV Output Surge
	POE90U-BTAX460-R	IEEE802.3bt	1	90W	10G	90-264VAC C14 connector	4KV L-L/4KV L-E, 6KV Output Surge


NON-IEEE PoE INJECTORS – AC INPUT

Product Image	Model	# of Ports	Power/Port	Data Speed	Input	Notes
	POE15M-560E-R	1	15.4W	1G	90-264VAC C6 connector	Shielded RJ45
	POE16R-560L6-R	1	15.4W	1G	90-264VAC	Unshielded RJ45 Interchangeable AC clips
	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


DC INPUT PoE INJECTORS

Product Image	Model	Standard	# of Ports	Power/Port	Data Speed	Input	Notes
	POE20D-1AF-R	IEEE802.3af	1	19.6W	1G	DC 18-72V Terminal Strip	Shielded RJ45
	POE30D-1ATP-R	IEEE802.3at	1	30W	1G	DC 10-55V AC 24V Terminal Strip	Unshielded RJ45
	POE90D-1BTP-R	IEEE802.3bt	1	90W	2.5G	DC 20-55V AC 24V Terminal Strip	Shielded RJ45



OUTDOOR PoE INJECTORS

Product Image	Model	Standard	# of Ports	Power/Port	Data Speed	Input	Notes
	POEO30U-1AT-X-R	IEEE802.3at	1	30W	10G	90-264VAC	IP67, 6KV Surge
	POEO75U-1BT-R	IEEE802.3bt	1	75W	1G	90-264VAC	IP67, 6KV Surge
	POEO75U-1BT-X -R	IEEE802.3bt	1	75W	10G	90-264VAC	IP67, 6KV Surge




PoE MEDIA CONVERTERS

Product Image	Model	Standard	# of Ports	Power/Port	Data Speed	Input	Notes
	POE60S-1BT-R	IEEE802.3bt	1	60W	1G	90-264VAC C14 connector SFP Module	Shielded RJ45

PoE to USB C CONVERTERS

Product Image	Model	Standard	# of Ports	Power/Port	Data Speed	Input	Notes
	POEUSB20-1AT-R	IEEE802.3at	1	20W	1G	44-57VDC	5V, 9V, 12V, 15V, 20V
	POEUSB60-1BT-R	IEEE802.3bt	1	60W	1G	44-57VDC	5V, 9V, 12V, 15V, 20V

SPLITTERS

Product Image	Model	Output Connector	DC Output Power	POE Power/ Port	Data Speed	Input	Notes
	POE14-050-R	2.5 x 5.5 x 9mm right angle	5V	12.5W	1G	36-56VDC	Work with IEEE802.3af Power Sourcing Equipment
	POE21-120-R	2.1 x 5.5 x 12mm right angle	12V	21W	1G	45-57VDC	Work with any Layer 1 IEEE802.3at Power Sourcing Equipment
	POE21-240-R	2.1 x 5.5 x 12mm right angle	24V	21W	1G	45-57VDC	Work with any Layer 1 IEEE802.3at Power Sourcing Equipment
	POE45-120-R	2.1 x 5.5 x 12mm right angle	12V	45W	1G	47-57V DC	Work with 12.5K Detection, Phihong's POE90U-1BT series and POE60U-1BT series injectors
	POE48-120BT-R	2.1 x 5.5 x 12mm right angle	12V	48W	1G	47-57V DC	Works with any IEEE802.3bt compliant Power Sourcing Equipment

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 meet 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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