



POWER-OVER-ETHERNET PRODUCT CATALOG

ETHERNET SWITCH



**PHIHONG 576W
Midspan
IEEE802.3bt
INJECTOR**



**PHIHONG 15-90W
IEEE802.3af/at/bt
INJECTOR**



**PHIHONG 75W
OUTDOOR
IEEE802.3bt
INJECTOR**



**PHIHONG 60W
IEEE802.3bt
MEDIA CONVERTER**



**PHIHONG 60W
POE-TO-USB C
CONVERTER**



PHIHONG POE SOLUTIONS FOR ANY NETWORK

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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
- DC Single Port Injectors
- Multiport Midspans (4 port, 8 port)
- Media Converters
- Splitters
- Indoor & Outdoor Injectors
- POE to USB C
- Super High Power Up to 180W 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.

North America - usasales@phihongusa.com

Asia - [pfsales@phihong.com.tw](mailto: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:

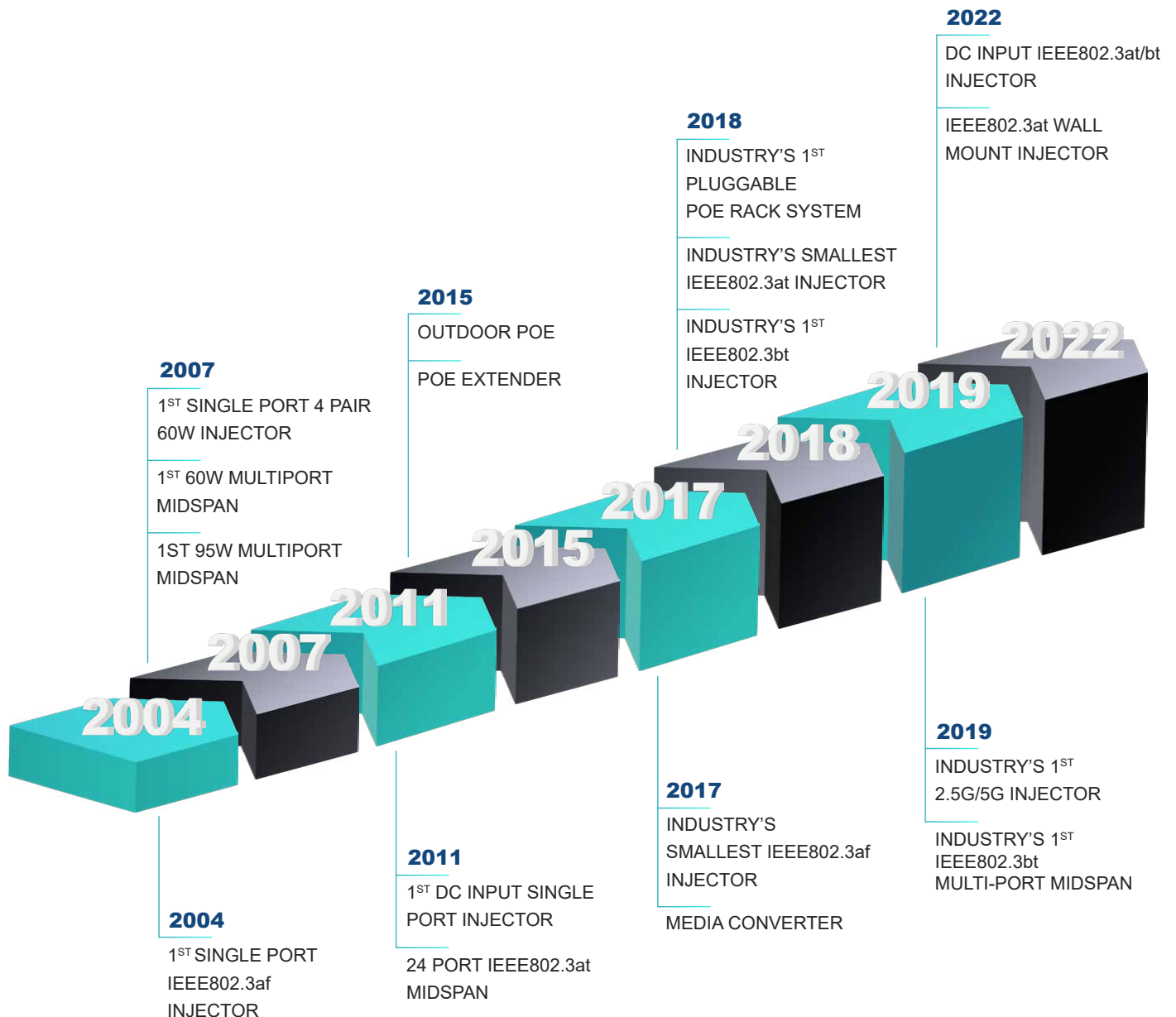
- Simple rebranding of standard off the shelf Phihong product with customer's logo.
- Electrical modifications to standard off the shelf Phihong product.
- Mechanical modifications to standard off the shelf Phihong product, including customized ID.
- Built to print jobs.
- Complete custom designs.

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 in **Vietnam** and China, providing our OEM and ODM customers with very cost competitive solutions as well as **tariff and Geo-Political risk mitigation**.

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






IEEE802.3af/at AC INPUT WALL MOUNT

| Model | Standard | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|------------------|-------------|------------|-------------|------------|-----------|--|---|
| POE16R-1AFG6-2-R | IEEE802.3af | 1 | 15.4W | 2.5G | 90-264VAC | Unshielded RJ45 Interchangeable AC clips |  |
| POE30R-1ATP-R | IEEE802.3at | 1 | 30W | 2.5G | 90-264VAC | Unshielded RJ45 Interchangeable AC clips |  |

IEEE802.3af AC INPUT DESKTOP

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




IEEE802.3at AC INPUT DESKTOP

| Model | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|-------------------|------------|-------------|------------|-------------------------|---------------|---|
| 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 DESKTOP

| Model | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|-----------------|------------|-------------|------------|----------------------------|--|---|
| 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 | Desktop | |
| 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 | Rack-Mount | |



POE HIGH SURGE - ACTIVE

| Model | Standard | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|------------------|-------------|------------|-------------|------------|----------------------------|--|---|
| 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-BTA1660-R | IEEE802.3bt | 1 | 60W | 1G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge |  |
| POE60U-BTA2660-R | IEEE802.3bt | 1 | 60W | 2.5G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE60U-BTA5660-R | IEEE802.3bt | 1 | 60W | 5G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE60U-BTAX660-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 | |


POE HIGH SURGE - PASSIVE

| Model | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|------------------|------------|-------------|------------|----------------------------|--|---|
| POE30U-PSA1660-R | 1 | 30W | 1G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge |  |
| POE30U-PSA2660-R | 1 | 30W | 2.5G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE30U-PSA5660-R | 1 | 30W | 5G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE30U-PSAX660-R | 1 | 30W | 10G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE60U-PSA1660-R | 1 | 60W | 1G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge |  |
| POE60U-PSA2660-R | 1 | 60W | 2.5G | 90-264VAC C14 connector | 6kV L-L/6kV L-PE surge; 6kV output surge | |
| POE60U-PSA5660-R | 1 | 60W | 5G | 90-264VAC C14 connector | 4KV L-L/4KV L-E, 6KV Output Surge | |
| POE60U-PSAX660-R | 1 | 60W | 10G | 90-264VAC C14 connector | 4KV L-L/4KV L-E, 6KV Output Surge | |




POE USB

| Model | Standard | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|----------------|-------------|------------|-------------|------------|----------|-----------------------|---|
| POEUSB20-1AT-R | IEEE802.3at | 1 | 20W | 1G | 45-57VAC | 5V, 9V, 12V, 15V, 20V |  |
| POEUSB60-1BT-R | IEEE802.3bt | 1 | 60W | 1G | 45-57VAC | 5V, 9V, 12V, 15V, 20V |  |


MEDIA CONVERTERS

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

DC INPUT

| Model | Standard | # of Ports | Power/ Port | Data Speed | Input | Notes | Product Image |
|---------------|-------------|------------|-------------|------------|---------------------------------------|-----------------|---|
| 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

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

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 |  |
| 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 | |

SPLITTERS

| Model | Output Connector | DC Output Power | POE Power/ Port | Data Speed | Input | Notes | Product Image |
|-------------|------------------------------|-----------------|-----------------|------------|-----------|--|---|
| 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 |  |

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.



Phihong Technology Co., Ltd
Taiwan Headquarters
No. 568, Fusing 3rd Rd
Gueishan District
Taoyuan City (33383), Taiwan
Tel: +886-3-3277288
Fax: +886-3-3277622
phsales@phihong.com.tw
www.phihong.com.tw



Phihong China
Science & Technology Rd.,
Silver Lake Industrial Area
Qingxi Town, Dong Guan City,
Guang Dong (523648), China
Tel: +86-769-87319026
Fax: +86-769-87317106
phsales@phihong.com.tw
www.phihong.group



Phihong USA
Corporate Office
47800 Fremont Blvd
Fremont, CA 94538, USA
Tel: +1-510-445-0100
Fax: +1-510-445-1678
usasales@phihongusa.com
www.phihong.com



Phihong Europe
Spaces Zuidas II
Barbara Strozziilaan 201,
Amsterdam, Netherlands
Tel: +31(0)20-2402400
sales@phihongeu.com
www.phihong-lighting.com

Contact your local Phihong sales office today to learn more:
North America - usasales@phihongusa.com
Asia - phsales@phihong.com.tw
Europe - sales@phihongeu.com

