

Gigabit PoE Splitter / PoE Converter/PoE Booster Adapter Comparison List

| Product Type | PoE Converter | | PoE Booster | |
|-----------------------------------|--|--|--|--|
| Product Model | FPOE-MPD80 | POE-PC04S | POE-DGT-ZW | POE-DMG-ZW |
| Products Picture |  |  |  |  |
| Speed | | | | |
| 10/100/1000Mbps(Gigabit) | | V | V | |
| 100M/1G/2.5G/5G(Multi-Giga) | V | | | V |
| Hardware Specifications | | | | |
| Network Media | 10BASE-T/UTP Cat3 or up 100BASE-TX/UTP Cat5 or up 1G/2.5G/SGBASE-T/UTP Cat5e or up | 10BASE-T/UTP Cat3 or up 100BASE-TX/UTP Cat5 or up 1000BASE-T/UTP Cat5 or up | 10BASE-T/UTP Cat3 or up 100BASE-TX/UTP Cat5 or up 1000BASE-T/UTP Cat5 or up | 10BASE-T/UTP Cat3 or up 100BASE-TX/UTP Cat5 or up 1G/2.5G/SGBASE-T/UTP Cat5e or up |
| PoE Detector | N/A | N/A | Support PoE Type A or PoE Type B detection | N/A |
| LED Display | Voltage Output LED x3 : 12V or 19V or 24V | Voltage Output LED x3 : 12V or 19V or 24V | Power LED x1 PoE Type by LED display on RJ45 Connector x2 (Auto detect PoE Type A or PoE Type B) | Power LED x1 |
| Data PIN | Pin 1/2/3/6/4/5/7/8 | Pin 1/2/3/6/4/5/7/8 | Pin 1/2/3/6/4/5/7/8 | Pin 1/2/3/6/4/5/7/8 |
| Power PIN | End-span(Type A) Pin 1/2 & 3/6 Mid-span(Type B) Pin 4/5 & 7/8 | Input-End-span(Type A) Pin 1/2 & 3/6 Mid-span(Type B) Pin 4/5 & 7/8 Output-Mid-span(Type B) Pin 4/5 & 7/8 | End-span(Type A) Pin 1/2 & 3/6 Mid-span(Type B) Pin 4/5 & 7/8 | End-span(Type A) Pin 1/2 & 3/6 Mid-span(Type B) Pin 4/5 & 7/8 |
| Data In | Connects PC/HUB/Switch | Connects PC/HUB/Switch | Connects PC/HUB/Switch | Connects PC/HUB/Switch |
| Ethernet Connector | RJ-45 x1 for Power + Data input RJ-45 x1 for Data output | RJ-45 x1 for Active PoE Power + Data input RJ-45 x1 for Passive PoE Power + Data output | RJ-45 x1 : Data RJ-45 x1 : Data + Power | RJ-45 x1 : Data RJ-45 x1 : Data + Power |
| ESD Protection | V | V | V | V |
| Standards Conformance | | | | |
| IEEE802.3 10Base-T | V | V | V | V |
| IEEE802.3u 100Base-TX | V | V | V | V |
| IEEE802.3ab 1000Base-T | V | V | V | V |
| IEEE 802.3bz 2.5G/SGBASE-T | V | V | V | V |
| IEEE 802.3af PoE | V | V | V | Compatible |
| IEEE 802.3at PoE+ (Plus) | V | V | V | Compatible |
| IEEE 802.3bt (Power Level) | Compatible | V | V | Compatible |
| Environmental&M/Characteristics | | | | |
| Input Voltage | PoE Input(50V-57V) | PoE Input(44V-57V) | Overall wide voltage range : DC 12 ~ 57V Auto booster voltage range : DC 12 ~ 55V (When using 57B input for auto boosted voltage and conversion to PoE 56V output) PoE constant voltage range : DC 48~57V (When using DC Input) | Overall wide voltage range : DC 12 ~ 57V Auto booster voltage range : DC 12 ~ 55V (When using 57B input for auto boosted voltage and conversion to PoE 56V output) PoE constant voltage range : DC 50~57V (When using DC Input) |
| Max Power Output | High Power 80Watt(DC 24V Output) High Power 75Watt(DC 19V Output) High Power 50Watt(DC 12V Output) | 27Watt | 30Watt | High Power 90Watt |
| RJ45 cabling effective PoE length | 100m(Suggest to use CAT6) | 100m(Suggest to use CAT5e) | 100m(RJ45 CAT5e [2,1]) | 100m(RJ45 CAT6 [2,1]) |
| Power Interface (Input) | RJ45 PoE In | RJ45 PoE In | Multi Power input: DC In (Using for PoE constant voltage input) or Screw Terminal Block In (Using for boost voltage system) | Multi Power input: DC In (Using for PoE constant voltage input) or Screw Terminal Block In (Using for boost voltage system) |
| Power Interface (Output) | DC Jack : Output to any none PoE 12V or 19V or 24V DC in device | Ethernet out : Output to 12V or 19V or 24V passive PoE device | RJ45 Active 802.3af/at PoE Out | RJ-45 PoE Out |
| Output Voltage | DC Output Control Range : 12V/19V/24V (three range adjustable by DIP switch) DC Output Current : Max. 12V/1.7A, 19V/0.9A, 24V/0.33A | PoE Output Control Range : 12V/19V/24V (three range adjustable by DIP switch) PoE Output Current : Max. 12V/0.25A, 19V/0.16A, 24V/0.112A | 56Volt | 56Volt |
| Operating Temperature | 0° to 55° C | 0° to 55° C | Wide temperature design -40° to 75° C | Wide temperature design -40° to 75° C |
| Storage Temperature | -40° to 70° C | -40° to 70° C | -40° to 85° C | -40° to 85° C |
| Dimension (W x D x H) | 84.5 x 80x 39.5 (mm) | 84.5 x 80x 39.5 (mm) | 130 x 27 x 42 (mm) | 130 x 27 x 42 (mm) |
| Weight (g) | 100.2g | 97.6g | 235g | 230g |
| Form Factor | Desktop / Wall mounting / Units Combination | Desktop / Wall mounting / Units Combination | Desktop / Wall mounting | Desktop / Wall mounting |
| Case of material | ABS | ABS | Metal | Metal |
| Certifications | FCC, CE, RoHS compatible | FCC, CE, RoHS compatible | FCC, CE, RoHS compatible | FCC, CE, RoHS compatible |
| Features Notice | <ul style="list-style-type: none"> Through PoE transmission power, replace the traditional power line configuration - it doesn't need extra power adapter. Support power reverse acute protection design, automatic restart to protect any possible short circuit, will effectively reduce short circuit damage. Supports Ethernet PoE to separate to only DC/Power and only Ethernet/Data. Support only DC input design equipment (none PoE power receiving hardware design) connected to PoE network switch or PoE splitter. Supports Output Voltage hot switching for 12VDC/19VDC/24VDC three range adjustable. Supports 1.2, 5.6Gbps Multi-Gigabit RJ45 Ethernet Connection. Supports high current carrying capacity, safe use of DC power equipment for high power demand. | <ul style="list-style-type: none"> Through PoE transmission power, replace the traditional power line configuration - it doesn't need extra power adapter. Completely solve the problem of the communication between Passive PoE PD and Active PoE. Support power reverse acute protection design, automatic restart to protect any possible short circuit, will effectively reduce short circuit damage. Supports Output Voltage hot switching for 12VDC/19VDC/24VDC three range adjustable. Support the special 12V or 19V or 24V PoE receiving equipment, so that your Passive PoE is compatible with the standard 802.3af/at PoE equipment. | <ul style="list-style-type: none"> Support -40°~75° wide temperature design, suitable for severe environmental applications. Supports a wide range input voltages of 12~56V. It can be automatically boosted and converted to 802.3af/at standard PoE 56V power output. PoE Type by LED display (PoE Detector). Provides a durable and reliable metal housing design. Supports ESD, Electro-Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety. After DC in constant voltage or 57B in for auto boosted voltage, it can provided up to 30Watts PoE power output. For special or independent power systems such as 12V/24V/37.5V/48V transportation vehicles, it can meet booster and converted to PoE power requirements. | <ul style="list-style-type: none"> Support -40°~75° wide temperature design, suitable for severe environmental applications. Supports a wide range input voltages of 12~56V. It can be automatically boosted and PoE 56V power output. Provides a durable and reliable metal housing design. Supports ESD, Electro-Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety. After DC in constant voltage or 57B in for auto boosted voltage, it can provided up to 90Watts PoE power output. Supports 1.2/5.6Gbps Multi-Gigabit RJ45 Ethernet Connection. For special or independent power systems such as 12V/24V/37.5V/48V transportation vehicles, it can meet booster and converted to PoE power requirements. |
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