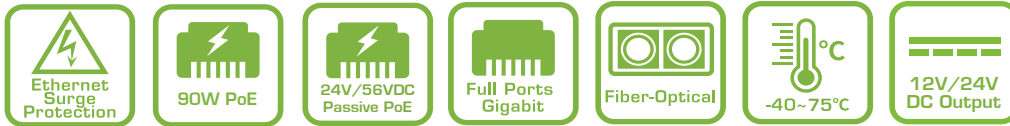


# D42-042-91

## Industrial PoE Switch with Adjustable 24V/56VDC Passive PoE and 12V/24VDC Output



The D42-042-91 is an industrial-grade PoE switch built for challenging environments. It supports both IEEE 802.3bt PoE and adjustable 24VDC/56VDC Passive PoE, along with 12V/24VDC outputs for non-PoE devices, ensuring versatile power delivery options. With its IP30-rated enclosure and 6KV surge protection per PoE port, the switch operates reliably in extreme temperatures ranging from -40°C to 75°C, making it ideal for harsh weather conditions.

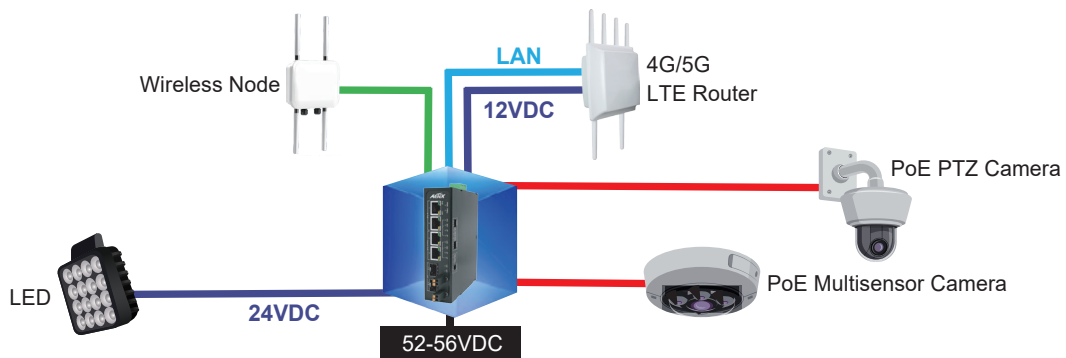
Designed for connecting PoE-powered devices such as IP cameras, wireless access points, and other industrial applications, the D42-042-91 is equipped with two IEEE 802.3bt PoE ports, two adjustable 24VDC or 56VDC Passive PoE ports, and two SFP transceiver slots for flexible uplink configurations.

As a Power Sourcing Equipment (PSE) device, the switch provides up to 90W output per PoE port, ensuring dependable power for high-demand devices. Its durable design, advanced features, and flexible power capabilities make the D42-042-91 a reliable and easy-to-install solution for industrial and surveillance network deployments.

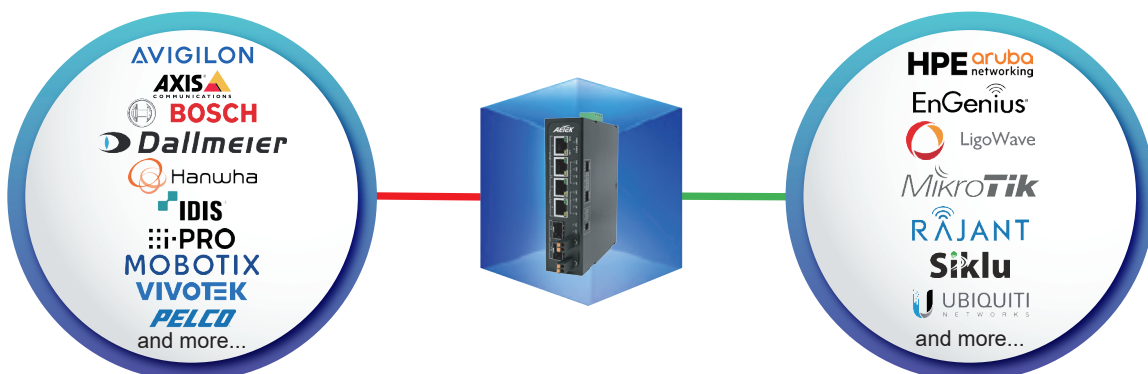
### Features

- 90W PoE Outputs to support IEEE 802.3bt/at/af PoE devices
- Adjustable 24V/56VDC Passive PoE Outputs to support
  - 24V/56VDC Passive PoE Wireless nodes
  - IEEE 802.3af PoE devices
- 12V/24VDC Output to support non-PoE devices
- Flexible SFP transceiver port for uplink
- 6KV PoE surge protection
- Wide range of operating temperature: -40 °C ~ 75 °C (-40 °F ~ 167 °F)
- Support 10/100/1000Mbps data rate

### Applications



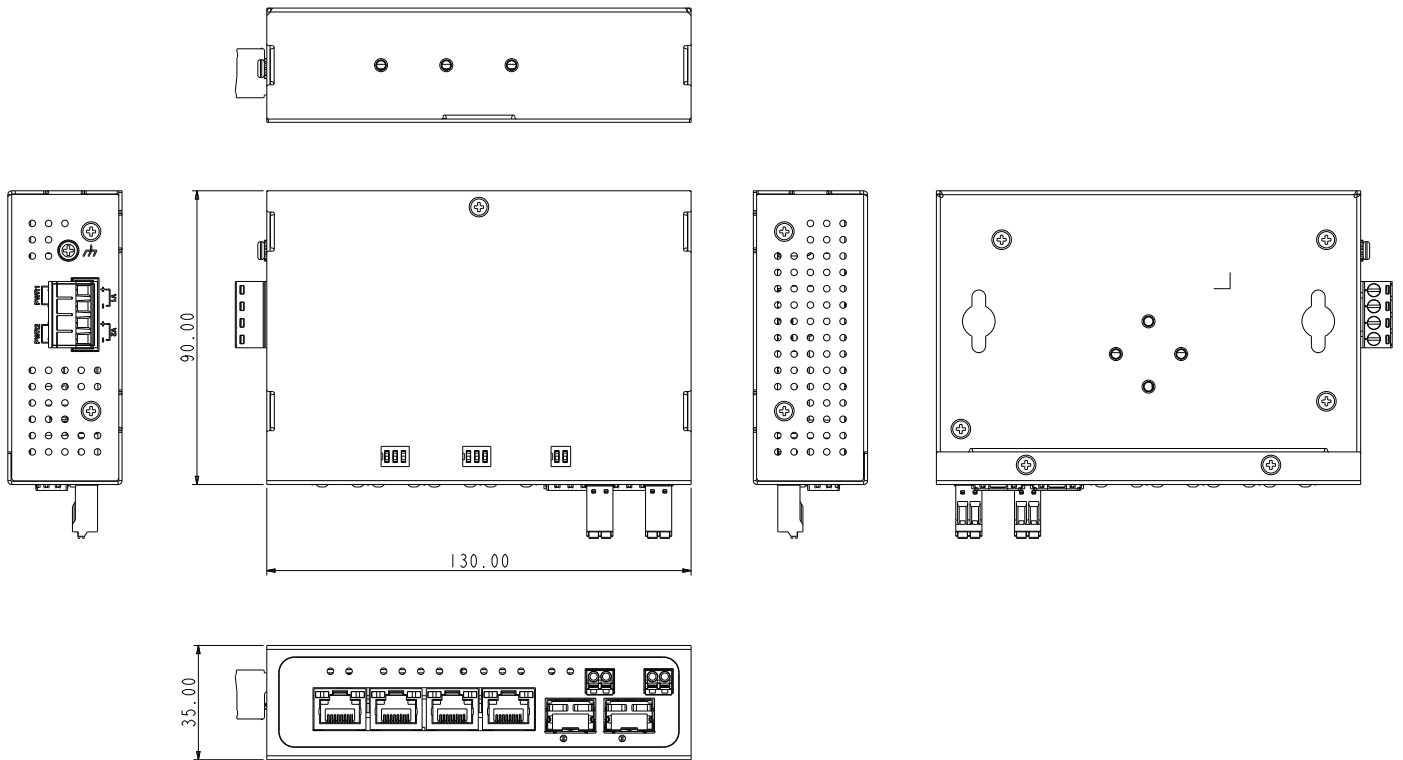
— Power — LAN — Passive PoE 24VDC/56VDC — PoE (Data + Power) — DC Power



## Specifications

D42-042-91	
<b>Networking</b>	
Total Gigabit Ethernet Ports	6
Gigabit Ethernet 802.3af/at/bt PoE Ports	2 x 90W bt PoE
Gigabit Ethernet Passive PoE Ports (Adjustable 24V/56VDC Passive PoE or 802.3af PoE)	2
Gigabit Ethernet SFP Ports (100M/1G)	2
Forwarding Capacity	11.904Mpps
Mac Table	4K
Jumbo Frames	9,216 Bytes
Switching Capacity	12 Gbps
<b>Power</b>	
Input Voltage	Dual 52-56VDC
Output Power (Port 1-2)	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoE++ IEEE 802.3bt (Max. 90W)
Output Power (Port 3-4)	24W @ 2-pair 24VDC 48W @ 4-pair 24VDC 56W @ 2-pair 56VDC 90W @ 4-pair 56VDC 15W @ 2-pair IEEE 802.3af PoE
Output PoE Power Pin Assignment (Port 1-2)	12(-), 36(+), 45(+), 78(-)
Output PoE Power Pin Assignment (Port 3-4)	2-pair PoE: 45(+), 78(-) 4-pair PoE: 12(+), 36(-), 45(+), 78(-)
Output Power per DC Port	1 x 12VDC@2.5A 1 x 24VDC@1.25A
System Power Consumption (without PoE)	5W
PoE Output Power Budget	210W
Surge Protection per PoE Port	6KV
<b>Surge Protection per PoE Port</b>	
Dimensions (W x D x H)	35 x 90 x 130 mm (1.3 x 3.5 x 5.1 in)
Weight	0.5 kg (1.1 lb)
<b>Environmental</b>	
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing
<b>Certifications</b>	
EMC	CE, FCC, VCCI, C-Tick
Surge	EN61000-4-5
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6

## Dimension



## Optional Accessories

### SFP Modules



#### SFP-ISX-X5

Industrial Gigabit SFP Transceiver

- MMF
- 0.5 km
- -40°C ~85°C



#### SFP-ISX-02

Industrial Gigabit SFP Transceiver

- MMF
- 2 km
- -40°C ~85°C



#### SFP-ILX-10

Industrial Gigabit SFP Transceiver

- SMF
- 10 km
- -40°C ~85°C



#### SFP-ILX-40

Industrial Gigabit SFP Transceiver

- SMF
- 40 km
- -40°C ~85°C