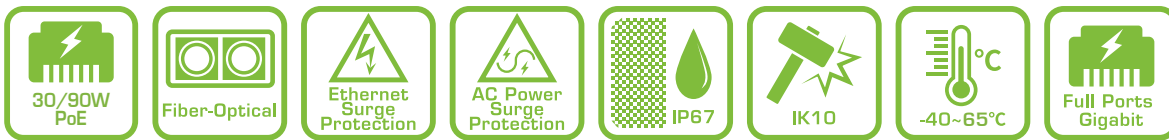


H40 series

IP67 / IK10 Gigabit PoE Switches



Designed for harsh environments, the H40 series features a ruggedized IP67-rated weatherproof enclosure and IK10 vandal-proof durability with a wide operating temperature of -40°C to 65°C. It ensures outstanding reliability through integrated 6KV Ethernet port surge protection and robust AC surge protection against power spikes.

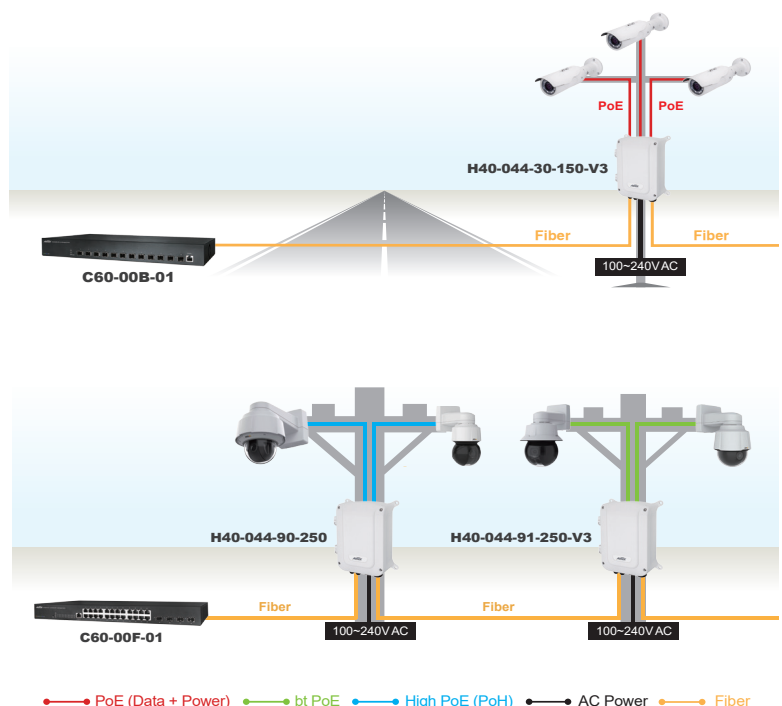
As high-performance Power Sourcing Equipment (PSE), this series encompasses several models to meet diverse application requirements. This lineup supports flexible power outputs, including 30W at, 90W PoH, and 90W bt PoE per port, providing a dependable foundation for any outdoor infrastructure.

The multi-port Gigabit PoE design delivers data and power over a single cable, simplifying the installation of IP cameras, wireless APs, and network speakers. Integrated SFP slots further enhance the system by providing flexible, long-distance fiber uplink capabilities for seamless network integration.

Features

- Up to IEEE802.3bt 90W PoE per port (H40-022-91-120-V2, H40-044-91-250-V3)
- 90W PoH per port (H40-022-90-120, H40-044-90-250)
- IEEE802.3at 30W PoE per port (H40-044-30-150-V3, H40-082-30-250-V3)
- Flexible SFP slots for long distance fiber uplink
- IP67 standard weatherproof and dustproof protection
- IK10 rated vandal proof aluminum housing
- Wide operating temperature ranges from -40°C to 65°C
- 6KV Ethernet surge protection per PoE ports

Applications



Specifications

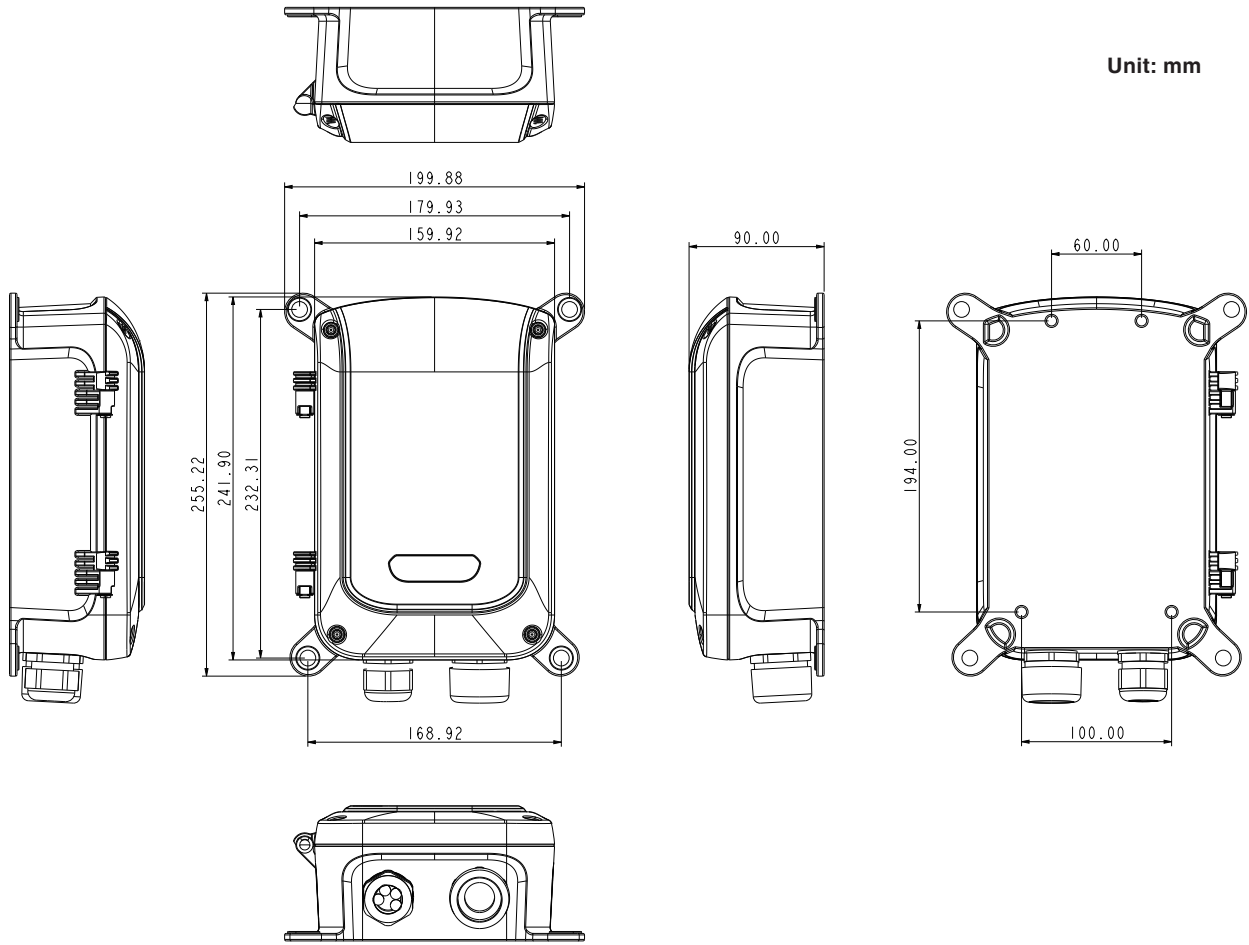
	H40-022-90-120	H40-022-91-120-V2	H40-044-30-150-V3
Networking			
Total Gigabit Ethernet Ports	4	4	8
Gigabit Ethernet 802.3af/at PoE Ports	--	--	4
Gigabit Ethernet 802.3af/at/PoH PoE Ports	2	--	--
Gigabit Ethernet 802.3af/at/bt PoE Ports	--	2	--
Gigabit Ethernet RJ45 Ports	--	--	2
Gigabit Ethernet SFP Ports (100M/1G)	2	2	2
Forwarding Capacity	5.952Mpps	5.952Mpps	11.904Mpps
Mac Table	8K	8K	8K
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	8 Gbps	8 Gbps	16 Gbps
Power			
Input Power	100~240V AC and 48-56V DC Backup Input Power	100~240V AC and 48-56V DC Backup Input Power	100~240V AC and 48-56V DC Backup Input Power
ESD	Contact ±6 KV, Air ±8 KV	Contact ±6 KV, Air ±8 KV	Contact ±6 KV, Air ±8 KV
Redundant Mode	AC Primary / DC Secondary	AC Primary / DC Secondary	AC Primary / DC Secondary
Output Power per PoE Port	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoH/Axis High PoE (Max. 90W)	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoE++ IEEE 802.3bt (Max. 90W)	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output PoE Power Pin Assignment	12(-), 36(+), 45(+), 78(-)	12(-), 36(+), 45(+), 78(-)	12(+), 36(-)
Standby Power Consumption	110V AC: 7W 240V AC: 6W	110V AC: 7W 240V AC: 6W	110V AC: 7.6W 240V AC: 10W
PoE Output Power Budget	115W	115W	120W
Power Supply	120W	120W	150W
Surge Protection per PoE Port	Common mode : ±6 KV	Common mode : ±6 KV	Common mode : ±6 KV
Surge Protection for AC Power Input	10KV	10KV	40KV
Mechanical			
Dimensions (W x D x H)	199.88 x 255.22 x 90 mm (7.9 x 10.0 x 3.5 in)	199.88 x 255.22 x 90 mm (7.9 x 10.0 x 3.5 in)	245.8 x 315.4 x 118 mm (9.7 x 12.4 x 4.6 in)
Weight	2.55 kg (5.62 lb)	2.55 kg (5.62 lb)	4.2 kg (9.26 lb)
Connectors	PF 3/4 x1 M25 cable gland with 5x 5mm holes x1	PF 3/4 x1 M25 cable gland with 5x 5mm holes x1	PF 3/4 x1 M25 cable gland with 5x5mm holes x1 M16 cable gland with x6.5mm hole x4
Cooling Fan	Fanless	Fanless	Fanless
Environmental limits			
IP Rating / IK Rating	IP67 / IK10	IP67 / IK10	IP67 / IK10
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)	-40°C ~ 65°C (-40°F ~ 149°F)	-40°C ~ 65°C (-40°F ~ 149°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Regulatory/ Approvals			
EMC	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A
Safety	EN62368-1	EN62368-1	EN62368-1
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5
MTBF	>50000 hours	>50000 hours	>50000 hours
Optional Accessories			
Fiber Splice Tray	AT-302	AT-302	AT-303-V2
Mounting Brackets	AT-100 / AT-101 / AT-200		
SFP Module	SFP Module Model Table		

Specifications

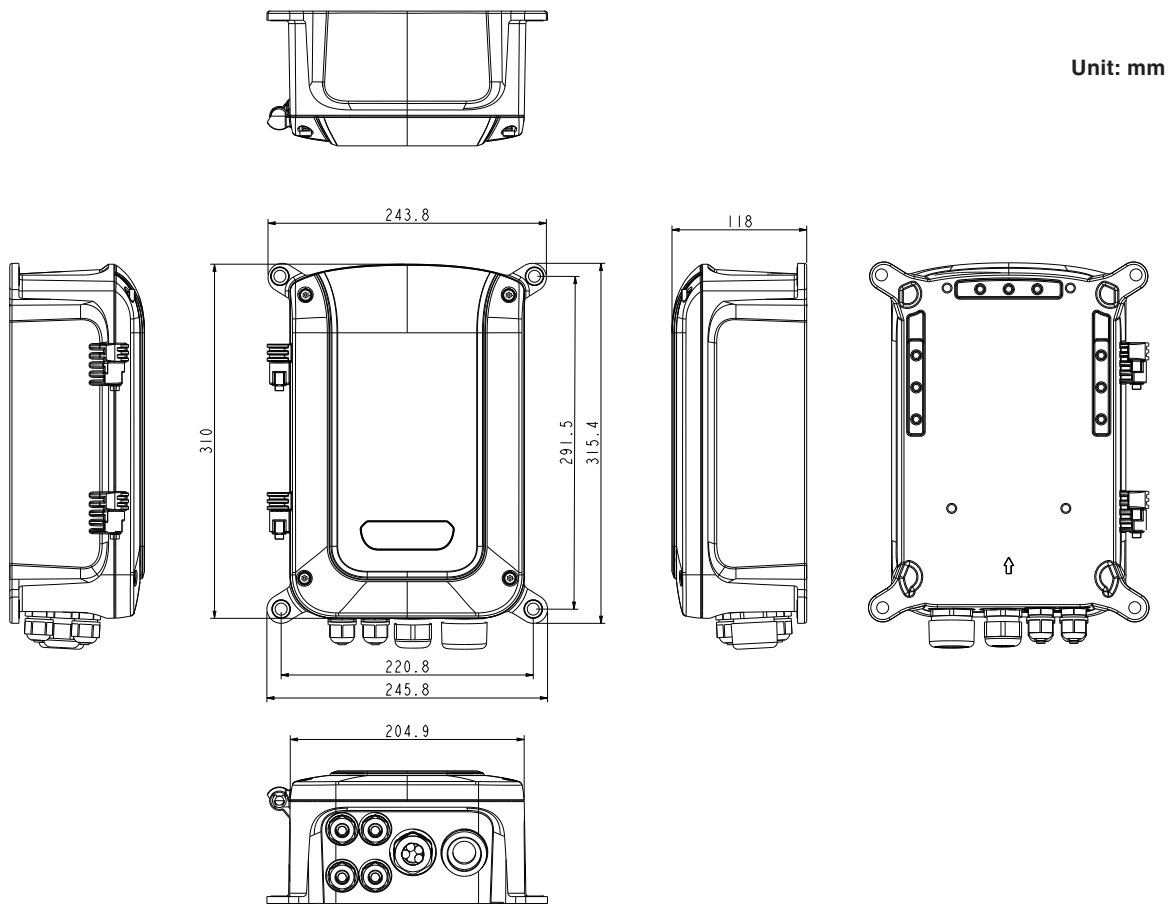
	H40-044-90-250	H40-044-91-250-V3	H40-082-30-250-V3
Networking			
Total Gigabit Ethernet Ports	8	8	10
Gigabit Ethernet 802.3af/at PoE Ports	--	--	8
Gigabit Ethernet 802.3af/at/PoH PoE Ports	4	--	--
Gigabit Ethernet 802.3af/at/bt PoE Ports	--	4	--
Gigabit Ethernet RJ45 Ports	2	2	--
Gigabit Ethernet SFP Ports (100M/1G)	2	2	2
Forwarding Capacity	11.904Mpps	11.904Mpps	14.88Mpps
Mac Table	8K	8K	8K
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	16 Gbps	16 Gbps	20 Gbps
Power			
Input Power	100~240V AC and 48-56V DC Backup Input Power	100~240V AC and 48-56V DC Backup Input Power	100~240V AC and 48-56V DC Backup Input Power
ESD	Contact ±6 KV, Air ±8 KV	Contact ±6 KV, Air ±8 KV	Contact ±6 KV, Air ±8 KV
Redundant Mode	AC Primary / DC Secondary	AC Primary / DC Secondary	AC Primary / DC Secondary
Output Power per PoE Port	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoH/Axis High PoE (Max. 90W)	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoE++ IEEE 802.3bt (Max. 90W)	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output PoE Power Pin Assignment	12(-), 36(+), 45(+), 78(-)	12(-), 36(+), 45(+), 78(-)	12(+), 36(-)
Standby Power Consumption	110V AC: 7.3W 240V AC: 5.7W	110V AC: 7.3W 240V AC: 5.7W	110V AC: 7.6W 240V AC: 6W
PoE Output Power Budget	245W	245W	240W
Power Supply	250W	250W	250W
Surge Protection per PoE Port	Common mode : ±6 KV	Common mode : ±6 KV	Common mode : ±6 KV
Surge Protection for AC Power Input	40KV	40KV	40KV
Mechanical			
Dimensions (W x D x H)	245.8 x 315.4 x 118 mm (9.7 x 12.4 x 4.6 in)	245.8 x 315.4 x 118 mm (9.7 x 12.4 x 4.6 in)	245.8 x 315.4 x 118 mm (9.7 x 12.4 x 4.6 in)
Weight	4.2 kg (9.26 lb)	4.2 kg (9.26 lb)	4.2 kg (9.26 lb)
Connectors	PF 3/4 x1 M25 cable gland with 5x5mm holes x1 M16 cable gland with x6.5mm hole x4	PF 3/4 x1 M25 cable gland with 5x5mm holes x1 M16 cable gland with x6.5mm hole x4	PF 3/4 x1 M25 cable gland with 5x5mm holes x1 M16 cable gland with x6.5mm hole x4
Cooling Fan	Fanless	Fanless	Fanless
Environmental limits			
IP Rating / IK Rating	IP67 / IK10	IP67 / IK10	IP67 / IK10
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)	-40°C ~ 65°C (-40°F ~ 149°F)	-40°C ~ 65°C (-40°F ~ 149°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Regulatory/ Approvals			
EMC	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A
Safety	EN62368-1	EN62368-1	EN62368-1
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5
MTBF	>50000 hours	>50000 hours	>50000 hours
Optional Accessories			
Fiber Splice Tray	AT-303-V2	AT-303-V2	AT-303-V2
Mounting Brackets	AT-100 / AT-101 / AT-200		
SFP Module	SFP Module Model Table		

Dimension





- H40-022-90-120, H40-022-91-120-V2





- H40-044-30-150-V3, H40-044-90-250, H40-044-91-250-V3, H40-082-30-250-V3







Ordering Information

Outdoor IP67/IK10 Unmanaged Gigabit PoE Switches			
	H40-022-90-120 • 2xGbE 90W PoH PoE + 2xGbE SFP • 100~240V AC Input		H40-022-91-120-V2 • 2xGbE 90W bt PoE + 2xGbE SFP • 100~240V AC Input
	H40-044-90-250 • 4xGbE 90W PoH PoE + 2xGbE RJ45 + 2xGbE SFP • 100~240V AC Input		H40-044-91-250-V3 • 4xGbE 90W bt PoE + 2xGbE RJ45 + 2xGbE SFP • 100~240V AC Input
	H40-044-30-150-V3 • 4xGbE 30W at PoE + 2xGbE RJ45 + 2xGbE SFP • 100~240V AC Input		H40-082-30-250-V3 • 8xGbE 30W at PoE + 2xGbE SFP • 100~240V AC Input

Optional Accessories

Fiber Splice Tray	
 <p>AT-302 Compatible Models: • H40-022-90-120 • H40-022-91-120-V2</p>	 <p>AT-303-V2 Compatible Models: • H40-044-30-150-V3 • H40-044-90-250 • H40-044-91-250-V3 • H40-082-30-250-V3</p>

SFP Modules				
 <p>SFP-ISX-X5 Industrial Gigabit SFP Transceiver • MMF • 0.5 km • -40°C ~85°C</p>	 <p>SFP-ISX-02 Industrial Gigabit SFP Transceiver • MMF • 2 km • -40°C ~85°C</p>	 <p>SFP-ILX-10 Industrial Gigabit SFP Transceiver • SMF • 10 km • -40°C ~85°C</p>	 <p>SFP-ILX-40 Industrial Gigabit SFP Transceiver • SMF • 40 km • -40°C ~85°C</p>	 <p>SFP-ITX-X1 Industrial Gigabit SFP Transceiver • SFP • 100 m • -40°C ~85°C</p>

Pole Mount Brackets	Corner Mount Bracket	
 <p>AT-100 Pole Mount Adapter</p>	 <p>AT-101 Pole Mount Adapter</p>	 <p>AT-200 Corner Mount Adapter</p>