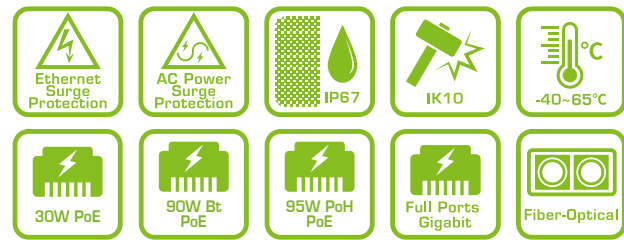


# H40 series

Harden-Graded IP67/IK10

PoE Switches

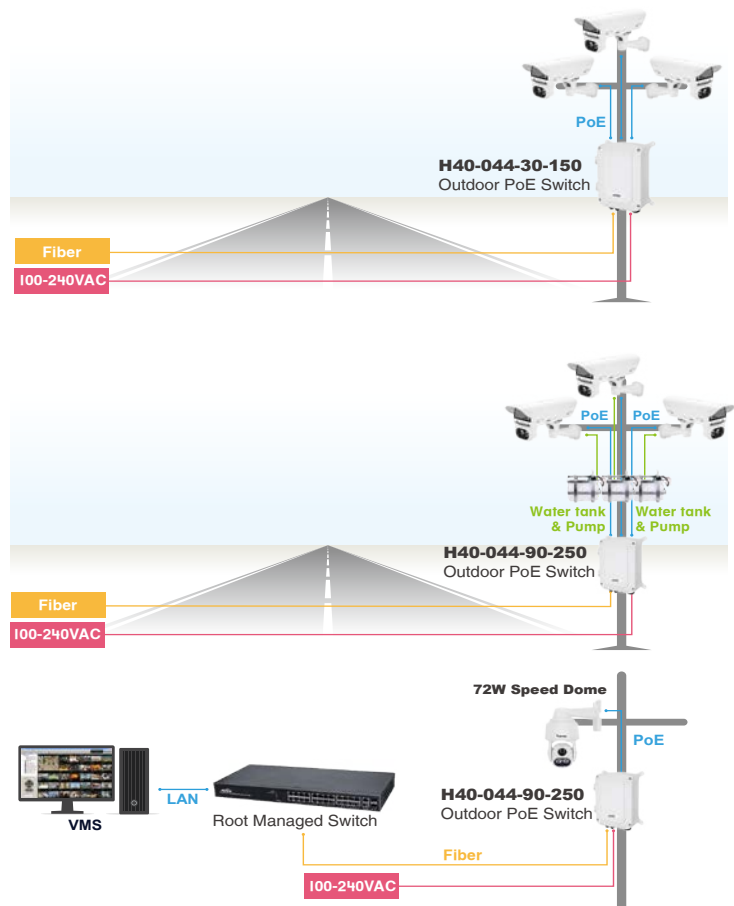


The H40 series of **Harden-Graded Industrial PoE Switches** are designed with IP67, 6KV PoE Ethernet port surge protection, 40KV surge protection in AC power, and operation temperature between -40°C and 65°C during harsh weather conditions. They enable outdoor connections of PoE PDs to the network such as outdoor IP cameras, wireless APs, and other industrial applications. The H40 series provide multi-port Gigabit PoE (10M/100M/1G) delivering data and power to PoE PDs over a single network cable as well as additional SFP transceiver slots for flexible uplink. The H40 series has three sub-models classified as easy-to-install power source equipment (PSE) and provide power up to 30W or 60W or 95W per port.

## Features

- Flexible SFP transceiver ports for uplink
- IP67 standard
- IK10 impact rated cast aluminum housing
- Operating temperature between -40°C and 65°C
- 30W per port IEEE802.3at compliant (H40-044-30-150, H40-082-30-250)
- 95W PoE (H40-044-90-250)
- 90W PoE (H40-044-91-250)
- Supporting 10/100/1000Mbps data rates
- 6KV PoE surge protection
- 40KV power surge protection
- IEEE 802.3az Energy Efficient Ethernet standard for green power

## Applications



## Specifications

	H40-044-30-150	H40-044-90-250	H40-044-91-250	H40-082-30-250
<b>Networking Specifications</b>				
Total Gigabit Ports	8	8	8	10
Gigabit PoE Ports (10M/100M/1G)	4 x 30W PoE	4 x 95W PoE	4 x 90W PoE	8 x 30W PoE
30W IEEE802.3 at Power over Ethernet	support	support	support	support
90W IEEE802.3 bt Power over Ethernet	-	-	support	-
95W PoH Power over Ethernet	-	support	-	-
SFP Slots (1G)	2	2	2	2
Gigabit Ports (RJ45)	2	2	2	-
Forwarding Capacity	11.904Mpps	11.904Mpps	11.904Mpps	11.904Mpps
Mac Table	8 k	8 k	8 k	4k
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	16 Gbps	16 Gbps	16 Gbps	20 Gbps
<b>Power Specifications</b>				
Input Voltage	100VAC ~ 240VAC 280VAC 4hr 300VAC 1min.	100VAC ~ 240VAC 280VAC 4hr 300VAC 1min.	100VAC ~ 240VAC 280VAC 4hr 300VAC 1min.	100VAC ~ 240VAC 280VAC 4hr 300VAC 1min.
Backup Power Input Voltage	48VDC ~ 56VDC	48VDC ~ 56VDC	48VDC ~ 56VDC	48VDC ~ 56VDC
Output Voltage Range /per PoE Port	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output PoH PoE (Max. 60W/95W) output	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output bt PoE (Max. 60W/90W) output	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output
Power Budget	150W	250W	250W	250W
Surge Protection /each PoE Port	6KV	6KV	6KV	6KV
Surge Protection for AC power	40 KV	40KV	40KV	40KV
<b>Mechanical Specifications</b>				
Dimensions (L x W x H)	315.4 x 245.8 x 118 mm	315.4 x 245.8 x 118 mm	315.4 x 245.8 x 118 mm	315.4 x 245.8 x 118 mm
Weight	4.2KG	4.3KG	4.3KG	4.37KG
Connectors	PF 3/4" conduit cable gland x1pc M25 cable gland with 5x5mm holes x1pc M16 cable gland 1x6.5mm hole x4pc	PF 3/4" conduit cable gland x1pc M25 cable gland with 5x5mm holes x1pc M16 cable gland 1x6.5mm hole x4pc	PF 3/4" conduit cable gland x1pc M25 cable gland with 5x5mm holes x1pc M16 cable gland 1x6.5mm hole x4pc	PF 3/4" conduit cable gland x1pc M25 cable gland with 5x5mm holes x1pc M16 cable gland 1x6.5mm hole x4pc
<b>Environmental Specifications</b>				
Weather Rating	IP67	IP67	IP67	IP67
Vandal Proof	IK10	IK10	IK10	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)	-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)	-40°C~ 85°C (-40°F~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
<b>Certifications</b>				
EMC	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A
Safety	EN60950-1, IEC60950-1	EN60950-1, IEC60950-1	EN60950-1, IEC60950-1	EN60950-1, IEC60950-1
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5	EN61000-4-5

## Ordering Information

PoE Switches			
	<b>H40-044-30-150</b> <ul style="list-style-type: none"> <li>4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45</li> <li>100-240VAC, 150W power budget</li> </ul>		<b>H40-044-90-250</b> <ul style="list-style-type: none"> <li>4xGbE PoE (95W) + 2xGbE SFP + 2xGbE RJ45</li> <li>100-240VAC, 250W power budget</li> </ul>
	<b>H40-082-30-250</b> <ul style="list-style-type: none"> <li>8xGbE PoE (30W) + 2xGbE SFP</li> <li>100-240VAC, 250W power budget</li> </ul>		<b>H40-044-91-250</b> <ul style="list-style-type: none"> <li>4xGbE PoE (90W) + 2xGbE SFP + 2xGbE RJ45</li> <li>100-240VAC, 250W power budget</li> </ul>

## 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

### Pole Mount Brackets



#### AT-100

Pole Mount Adapter



#### AT-101

Pole Mount Adapter

### Corner Mount Bracket



#### AT-200

Corner Mount Adapter