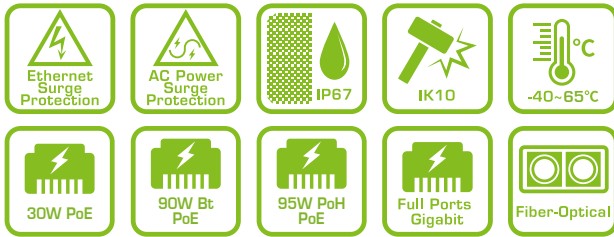


H40 series

Harden-Graded IP67/IK10

PoE Switches

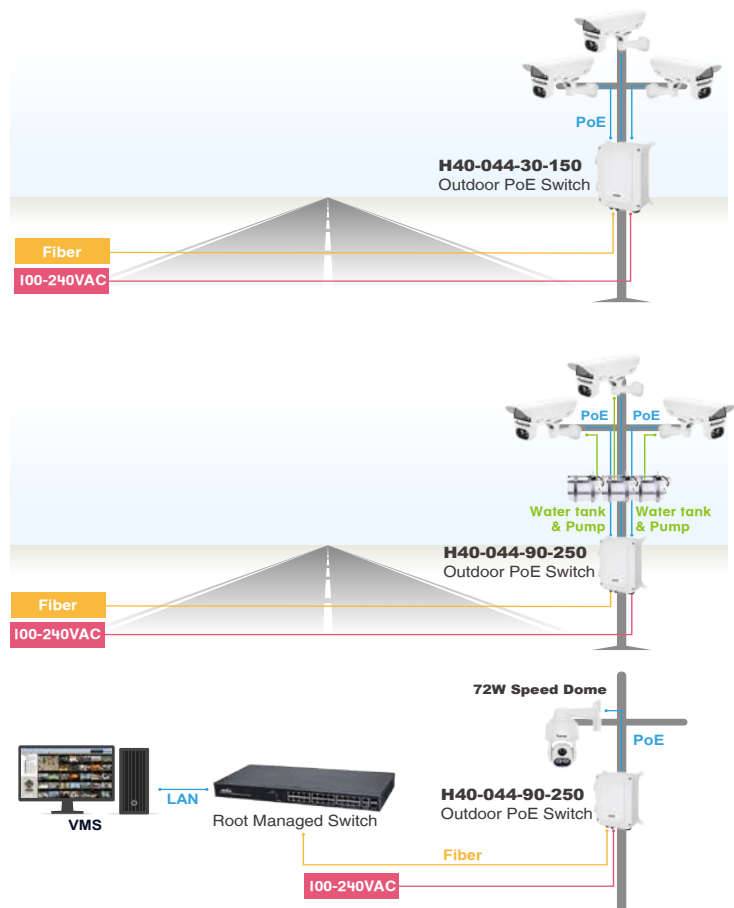


The H40 series of **Harden-Graded Industrial PoE Switches** are designed with IP67, 12KV PoE Ethernet port surge protection, 40KV surge protection in AC power, and operation temperature between -40°C and 65°C during harsh weather conditions. They enable outdoor connections of PoE PDs to the network such 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
- 12KV 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
Networking Specifications				
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
Power Specifications				
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	12KV	12KV	12KV	12KV
Surge Protection for AC power	40 KV	40KV	40KV	40KV
Mechanical Specifications				
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
Environmental Specifications				
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
Certifications				
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			
	H40-044-30-150 <ul style="list-style-type: none"> 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45 100-240VAC, 150W power budget 		H40-044-90-250 <ul style="list-style-type: none"> 4xGbE PoE (95W) + 2xGbE SFP + 2xGbE RJ45 100-240VAC, 250W power budget
	H40-082-30-250 <ul style="list-style-type: none"> 8xGbE PoE (30W) + 2xGbE SFP 100-240VAC, 250W power budget 		H40-044-91-250 <ul style="list-style-type: none"> 4xGbE PoE (90W) + 2xGbE SFP + 2xGbE RJ45 100-240VAC, 250W power budget

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