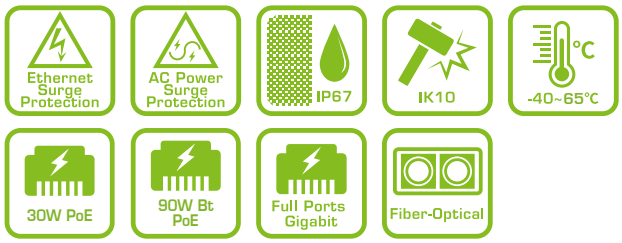
H40 series

Harden-Graded IP67/IK10 PoE Switches



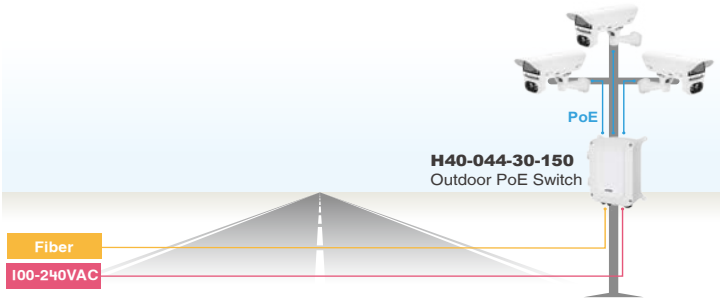


The H40 series of **Harden-Graded Industrial PoE Switches** are designed with IP67, 12KV PoE Ethernet port surge protection, 40KV surge protection in AC power, and operation temperature between -40°C and 65°C during harsh weather conditions. They enable outdoor connections of PoE PDs to the network such 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 90W per port.

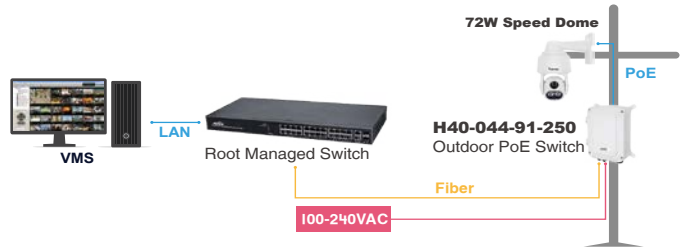
Features

- 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)
- 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	H40-044-91-250	H40-082-30-250
Networking Specifications			
Total Gigabit Ports	8	8	10
Gigabit PoE Ports (10M/100M/1G)	4 x 30W PoE	4 x 90W PoE	8 x 30W PoE
30W IEEE802.3 at Power over Ethernet	support	support	support
90W IEEE802.3 bt Power over Ethernet	-	support	-
SFP Slots (1G)	2	2	2
Gigabit Ports (RJ45)	2	2	-
Forwarding Capacity	11.904Mpps	11.904Mpps	11.904Mpps
Mac Table	8 k	8 k	4k
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	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.
Backup Power Input Voltage	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 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
Surge Protection /each PoE Port	6KV	6KV	6KV
Surge Protection for AC power	40 KV	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
Weight	4.2KG	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
Environmental Specifications			
Weather Rating	IP67	IP67	IP67
Vandal Proof	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)
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
Certifications			
EMC	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
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5

Ordering Information

PoE Switches			
	**H40-044-30-150** • 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45 • 100~240VAC,150W power budget		**H40-044-91-250** • 4xGbE PoE (90W) + 2xGbE SFP + 2xGbE RJ45 • 100~240VAC, 250W power budget
	**H40-082-30-250** • 8xGbE PoE (30W) + 2xGbE SFP • 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

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