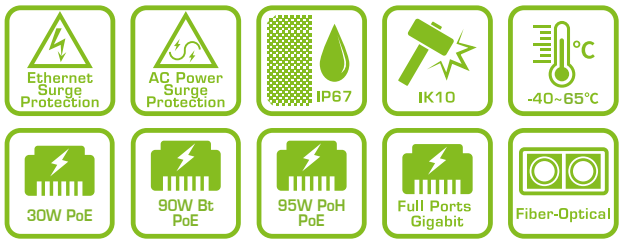
H40 series

Harden-Graded IP67/IK10 PoE Switches



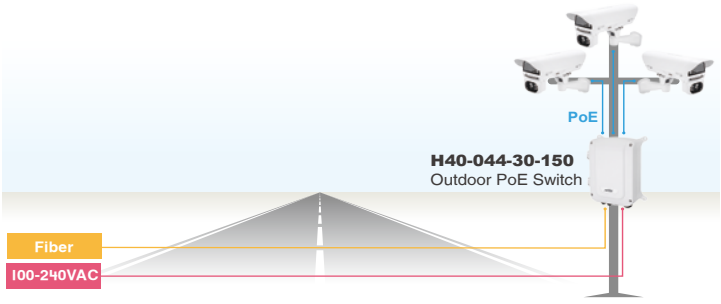


The H40 series of **Harden-Graded Industrial PoE Switches** are designed with IP67, 12KV PoE Ethernet port surge protection, 40KV surge protection in AC power, and operation temperature between -40°C and 65°C during harsh weather conditions. They enable outdoor connections of PoE PDs to the network such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

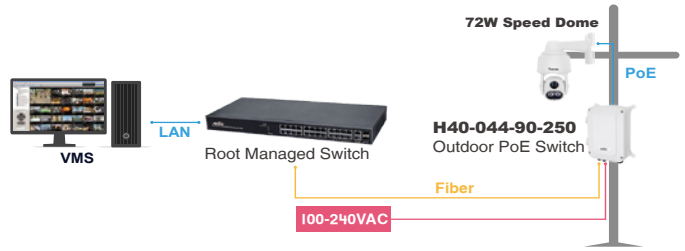
Features

- 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	10
Gigabit PoE Ports (10M/100M/1G)	4 x 30W PoE	4 x 95W PoE (H40-044-90-250) 4 x 90W PoE (H40-044-91-250)	8 x 30W PoE
SFP Slots (100M/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 PoH PoE (Max. 60W/95W) 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	12KV	12KV	12KV
Surge Protection for AC power	40 KV	40KV	40KV
Mechanical Specifications			
Dimensions (WxHxD)	245.8 x 315.4 x 118mm	245.8 x 315.4 x 118mm	245.8 x 315.4 x 118mm
Weight	4.2KG	4.3KG	4.37KG
Connectors	M16 x 4, M25 x 2	M16 x 4, M25 x 2	M16 x 4, M25 x 2
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



H40-044-90-250
- 4xGbE PoE (95W) + 2xGbE SFP + 2xGbE RJ45
- 100~240VAC, 250W power budget



H40-082-30-250
- 8xGbE PoE (30W) + 2xGbE SFP
- 100~240VAC, 250W power budget



H40-044-91-250
- 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

All specifications are subject to change without notice. Copyright © AETEK INC. All rights reserved. Ver. 3
3F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, 235, Taiwan, R.O.C. T: +886-2-82452822 E:sales@aetektec.com W: www.aetektec.com