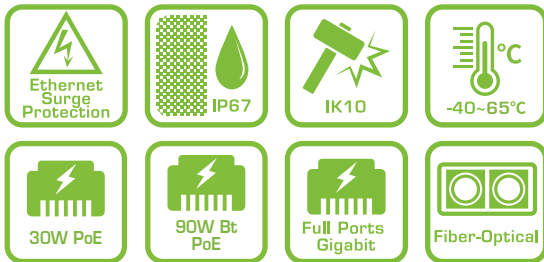


H40-DC series

IP67 / IK10 Gigabit PoE Switches
w/ 12~56VDC Input



The H40 series of **Harden-Graded Industrial PoE Switches** are designed with IP67, 6KV PoE Ethernet port surge protection, and operation temperature between -40°C and 65°C during harsh weather conditions.

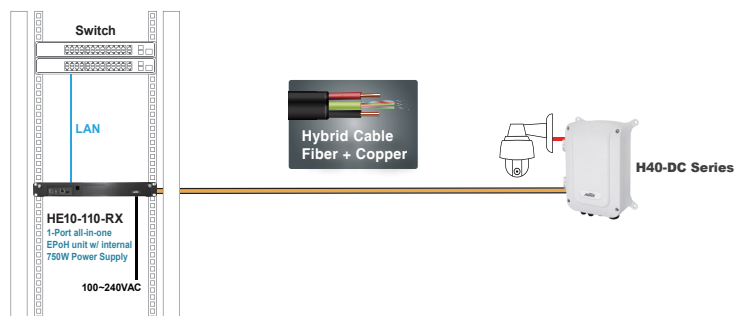
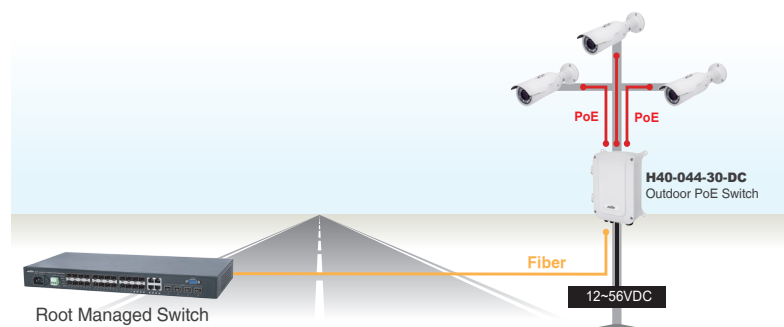
They enable outdoor connections of PoE PDs to the network such as outdoor IP cameras, wireless APs, and other industrial applications.

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-DC, H40-082-30-DC)
- IEEE 802.3bt 90W bt PoE (H40-044-91-DC)
- Supporting 10/100/1000Mbps data rates
- 6KV PoE surge protection
- IEEE 802.3az Energy Efficient Ethernet standard for green power



Applications



Specifications

	H40-044-30-DC	H40-044-91-DC	H40-082-30-DC
Networking Specifications			
Total Gigabit Ports	8	8	10
Gigabit PoE Ports (10M/100M/1G)	4 x 30W PoE	4 x 90W bt 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	12VDC ~ 56VDC	12VDC ~ 56VDC	12VDC ~ 56VDC
Output Voltage	12VDC ~ 56VDC	12VDC ~ 56VDC	12VDC ~ 56VDC
Output Voltage Range / per PoE Port	54 VDC PoE 802.3af (15.4W) output PoE+ 802.3at (30W) output	54 VDC PoE 802.3af (15.4W) output PoE+ 802.3at (30W) output PoE++ 802.3bt (90W) output	54 VDC PoE 802.3af (15.4W) output PoE+ 802.3at (30W) output
PSE Power Pin Assignment	12(-),36(+)	12(-),36(+),45(+),78(-)	12(-),36(+)
Switch power consumption (without PoE)	5W	5W	5W
PoE Power Budget	12VDC:90W 24VDC:120W 48VDC:120W	12VDC:90W 24VDC:160W 48VDC:360W	12VDC:90W 24VDC:160W 48VDC:240W
Surge Protection / each PoE Port	6KV	6KV	6KV
Mechanical Specifications			
Dimensions (L x W x H)	315.4 x 245.8 x 118mm	315.4 x 245.8 x 118mm	315.4 x 245.8 x 118mm
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	EN62368-1	EN62368-1	EN62368-1
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5

Ordering Information

PoE Switches			
	H40-044-30-DC <ul style="list-style-type: none"> 4xGbE PoE (30W) + 2xGbE SFP + 2xGbE RJ45 12-56VDC Input 		H40-044-91-DC <ul style="list-style-type: none"> 4xGbE bt PoE (90W) + 2xGbE SFP + 2xGbE RJ45 12-56VDC Input
	H40-082-30-DC <ul style="list-style-type: none"> 8xGbE PoE (30W) + 2xGbE SFP 12-56VDC Input 		

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

Fiber Splice Tray



AT-303 / AT-303-V2

Fiber Splice Tray