

# D40 series

## Industrial Gigabit PoE Switches



D40-082-30



D40-044-30  
D40-044-91



The D40 series of **Harden-Graded Industrial Unmanaged PoE Switches** are designed with IP30, 6KV PoE Ethernet port surge protection, and operation temperature between -40°C and 75°C during harsh weather conditions.

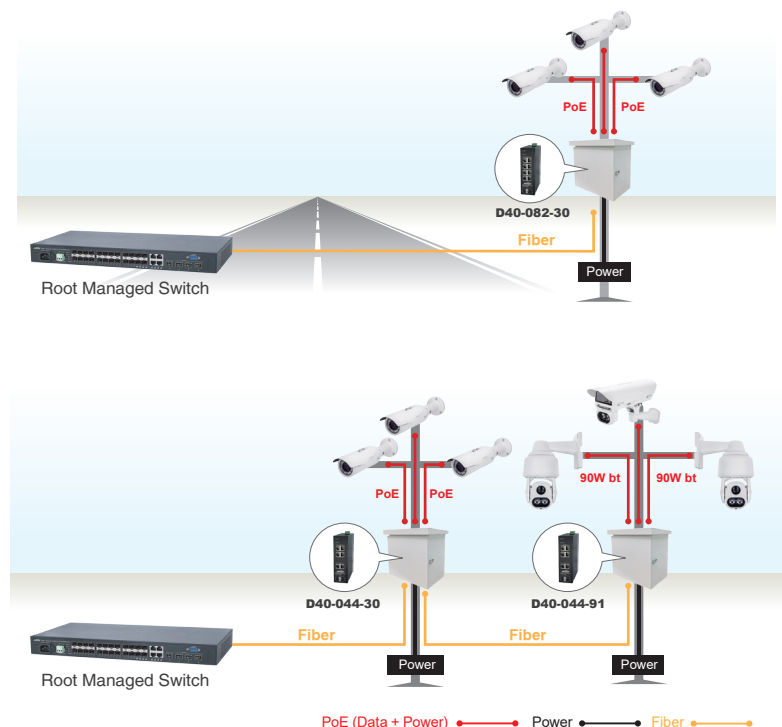
Besides enabling connections of PoE af/at PDs, D40-044-91 is specially designed for latest PoE bt PoE(>25.5W) PDs such as IR PTZ cameras, multi-sensor cameras, and long range PoE applications.

The D40 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 D40 series has three sub-models classified as easy-to-install power source equipment (PSE) and provide power up to 30W/60W/90W per port.

### Features

- 30W per port IEEE802.3at compliant (D40-044-30, D40-082-30)
- IEEE 802.3bt 90W bt PoE (D40-044-91)
- 6KV surge protection on each PoE port
- Operating temperature between -40°C and 75°C
- Flexible SFP transceiver ports for uplink
- Supporting 10/100/1000Mbps data rates
- DIN-Rail mounting and wall mounting
- IP30 rating
- IEEE 802.3az Energy Efficient Ethernet standard for green power

### PoE bt/PoH PoE IR PTZ Camera Applications



## Specifications

	D40-044-30	D40-082-30	D40-044-91
<b>Networking Specifications</b>			
Total Gigabit Ports	8	10	8
Gigabit PoE Port (10M/100M/1G)	4 x 30W PoE	8 x 30W PoE	4x 90W bt PoE
30W IEEE802.3 at Power over Ethernet	Support	Support	Support
90W IEEE802.3 bt Power over Ethernet	-	-	Support
Gigabit SFP Slots	2	2	2
Gigabit Ports (RJ45)	2	-	2
Forwarding Capacity	11.904Mpps	14.88Mpps	11.904Mpps
Mac Table	4k	4k	4k
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	16 Gbps	20 Gbps	16 Gbps
<b>Power Specifications</b>			
Power 1 : Input Voltage	48VDC ~ 56VDC	48VDC ~ 56VDC	48VDC ~ 56VDC
Power 2 : Input Voltage	48VDC ~ 56VDC	48VDC ~ 56VDC	48VDC ~ 56VDC
Output Voltage Range / per PoE Port	48~56 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output	48~56 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output	48~56 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output bt PoE (Max.60W/90W) output
PSE Power Pin Assignment	12(+), 36(-)	12(+), 36(-)	12(-),36(+),45(+),78(-)
Switch power consumption (without PoE)	5W	5W	5W
PoE Power Budget	120W	240W	360W
Surge Protection / each PoE Port	6KV	6KV	6KV
<b>Mechanical Specifications</b>			
Dimensions (L x W x H)	43.5 x 122 x 150 mm	43.5 x 122 x 150 mm	43.5 x 122 x 150 mm
Weight	0.8KG	0.8KG	0.9KG
Connectors	RJ45 x 6, SFP x 2, Terminal Block x2	RJ45 x 8, SFP x 2, Terminal Block x2	RJ45 x 8, SFP x 2, Terminal Block x2
<b>Environmental Specifications</b>			
Operating Temperature	-40°C~ 75°C (-40°F~ 167°F )	-40°C~ 75°C (-40°F~ 167°F )	-40°C~ 75°C (-40°F~ 167°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
<b>Certifications</b>			
EMC	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick
Safety	EN62368-1	EN62368-1	EN62368-1
Surge	EN61000-4-5	EN61000-4-5	EN61000-4-5
Shock	EN 60668-2-27	EN 60668-2-27	EN 60668-2-27
Freefall	EN 60068-2-31	EN 60068-2-31	EN 60068-2-31
Vibration	EN 60068-2-6	EN 60068-2-6	EN 60068-2-6

## Ordering Information

PoE Switches					
	<p><b>D40-044-30</b></p> <ul style="list-style-type: none"> <li>4xGbE 30W PoE + 2xGbE SFP + 2xGbE RJ45</li> </ul>		<p><b>D40-082-30</b></p> <ul style="list-style-type: none"> <li>8xGbE 30W PoE + 2xGbE SFP</li> </ul>		<p><b>D40-044-91</b></p> <ul style="list-style-type: none"> <li>4x 90W bt PoE + 2xGbE SFP + 2xGbE RJ45</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

## Power Supplies

### Industrial Power Supply



**NDR-120-48**

Indoor Industrial Din Rail Power Supply, 48-55VDC/120W, -20°C ~ 70°C



**NDR-240-48**

Indoor Industrial Din Rail Power Supply, 48-55VDC/240W, -20°C ~ 70°C



**NDR-480-48**

Indoor Industrial Din Rail Power Supply, 48-55VDC/480W, -20°C ~ 70°C

### Industrial Power Supply



**DRL-48V120W1EN**

Indoor Industrial Din Rail Power Supply, 48V/120W



**DRL-48V240W1EN**

Indoor Industrial Din Rail Power Supply, 48V/240W



**DRL-48V480W1EN**

Indoor Industrial Din Rail Power Supply, 48V/480W

## Outdoor Cabinet

### Cabinet Housing



**JB-200**

- IP67, IK10
- M16x4 pcs, M25 x2pcs

## Cabinet Brackets

### Pole Mount Brackets



**AT-100**

Pole Mount Adapter



**AT-101**

Pole Mount Adapter

### Corner Mount Bracket



**AT-200**

Corner Mount Adapter