

# DH-LR2226-24ET-360

26-Port Managed Switch with 8-Port ePoE & 16-Port PoE



\* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- Layer-two web managed ePoE switch.
- Three self-adaptive transmission modes which are IEEE, E100 and E10.
- Long distance PoE transmission up to 800 m with ePoE technology.
- Both twisted-pair transmission and coaxial cable transmission.
- IEEE802.3af, IEEE802.3at and Hi-PoE compliant.
- PoE management, Green PoE, Legacy Support.
- Manage through iLinksView, web client, and SNMP softwares.



## System Overview

This intuitive layer-2 commercial switch readily adapts to fluctuations in the power consumption of terminal devices, making it easy to use. It supports ePoE long distance transmission, PoE watchdog, green PoE and power consumption management.

## Functions

### ePoE

Thanks to the ePoE transmission technology, the transmission distance can be up to 800 m.

### Eight-pin PoE

Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IPC is enhanced. Cable loss is reduced. Loading capacity is increased.

### Intelligent PoE

Provides power consumption control and real-time monitoring to guarantee priority of power supply for important ports and prevent malfunctioning caused by power consumption change. Supports ultra wide power supply, able to adapt to IPC power fluctuation.

### Hi-PoE 60W (Orange Port)

In addition to the IEEE802.3af and IEEE802.3at standards, orange port also supports a maximum power output of 60W for powering high-power devices.

## Scene

The Device is applicable for use in different scenarios, including homes, offices, small malls and server farms.

## Specification

### Hardware

|                               |                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Included Power Adapter        | Yes                                                                                                                  |
| PoE                           | Yes                                                                                                                  |
| Ethernet Port                 | 24                                                                                                                   |
| Ethernet Port Speed           | 10/100 Mbps                                                                                                          |
| Ethernet Port Uplink Speed    | 10/100/1000 Mbps                                                                                                     |
| Optical Port Uplink Speed     | 1 Gbps                                                                                                               |
| Description of Function Slots | Port 1–24: 24 × RJ-45 10/100 Mbps<br>Port 25–26: 2 × RJ-45 10/100/1000 Mbps<br>Port 25–26: 2 × SFP 1000 Mbps (combo) |
| Debugging                     | 1 × Console port                                                                                                     |
| Reset Button                  | 1                                                                                                                    |
| Power Supply                  | Built-in power supply: 100–240 VAC, 50/60 Hz, 6 A                                                                    |
| Operating Temperature         | –10 °C to +55 °C (+14 °F to +131 °F)                                                                                 |
| Operating Humidity            | 5%–95% (RH)                                                                                                          |
| Storage Temperature           | –20 °C to +70 °C (–4 °F to +158 °F)                                                                                  |
| Storage Humidity              | 5%–95% (RH)                                                                                                          |
| Power Consumption             | Full load: 360 W                                                                                                     |

### Performance

|                        |           |
|------------------------|-----------|
| Layer                  | Layer 2   |
| Management Type        | Yes       |
| Switching Capacity     | 8.8 Gbps  |
| Packet Forwarding Rate | 6.55 Mpps |
| Packet Buffer Size     | 2.75 Mbit |
| MAC Table Size         | 4K        |

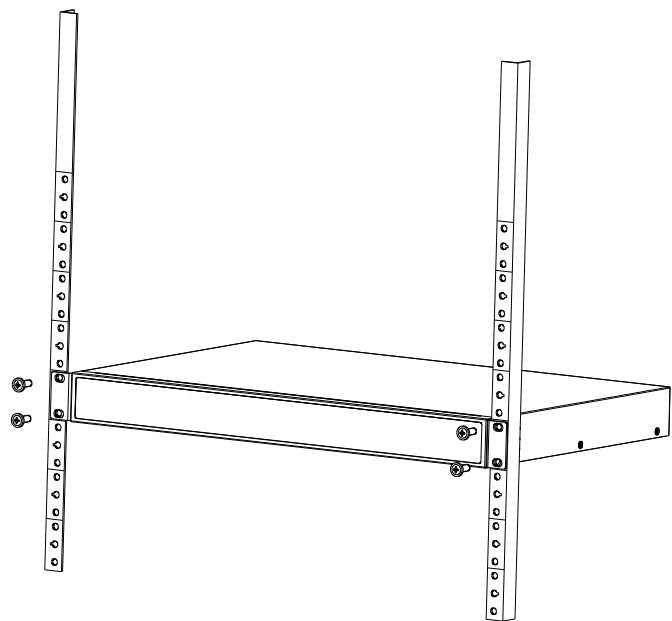
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| VLAN Number                      | 31                                                                                                            |
| Communication Standard           | IEEE802.3; IEEE802.3u; IEEE802.3X; IEEE 802.3ab; IEEE 802.3z                                                  |
| Feature                          |                                                                                                               |
| PoE Protocol                     | IEEE802.3af; IEEE802.3at; Hi-PoE                                                                              |
| PoE Power                        | Port 1–2 ≤60 W;<br>Port 3–24 ≤30 W;<br>Total ≤360 W                                                           |
| PoE Power Consumption Management | PoE power consumption management;<br>PoE power on/off;<br>Turns off PoE if overload is detected;<br>Green PoE |
| PoE Pin Assignment               | 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)                                                                              |
| ePoE                             | Yes                                                                                                           |
| Spanning Tree Protocol           | STP/RSTP                                                                                                      |
| VLAN Function                    | Port-based VLAN                                                                                               |
| Link Aggregation                 | Static link aggregation<br>LACP                                                                               |
| IEEE 802.3x Flow Control         | Yes                                                                                                           |
| Multicast                        | IGMP Snooping v1/v2                                                                                           |
| DHCP Function                    | DHCP Client                                                                                                   |
| Security                         | Multi-level user management and password; protection;<br>802.1X;<br>RADIUS;<br>Port isolation                 |
| QoS/ACL                          | SP/WRR queue scheduling                                                                                       |
| Equipment Management             | SNMPv1/v2/v3;<br>System logs, multi-level alarms;<br>LLDP                                                     |

General

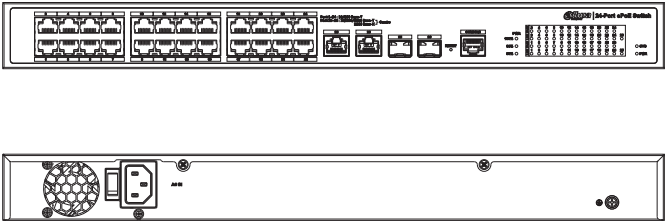
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|----------------------|--------------------------------------------------------------------|
| Statics Protection   | Air discharge: 8 kV;<br>contact discharge: 6 kV                    |
| Lighting Protection  | Common mode: 4 kV;<br>differential mode: 2 kV                      |
| Net Weight           | 3.44 kg (7.58 lb)                                                  |
| Gross Weight         | 4.42 kg (9.74 lb)                                                  |
| Product Dimensions   | 440 mm × 300 mm × 44 mm<br>(17.32" × 11.81" × 1.73") (L × W × H)   |
| Packaging Dimensions | 565 mm × 530 mm × 415 mm (22.24" × 20.87" × 16.34")<br>(L × W × H) |
| Casing Material      | Sheet metal                                                        |
| Installation         | Desktop mount; rack mount                                          |
| Certifications       | CE; FCC                                                            |

| Transmission Performance:                                               |                                |                           |                              |                        |
|-------------------------------------------------------------------------|--------------------------------|---------------------------|------------------------------|------------------------|
| ePoE Power Supply Specifications (CAT)                                  |                                |                           |                              |                        |
| Cable Length (m)                                                        | Communication Bandwidth (Mbps) | PoE Max Load Capacity (W) | Hi-PoE Max Load Capacity (W) | Network Operating Mode |
| 100                                                                     | 100                            | 25.5                      | 53                           | IEEE/E100              |
| 200                                                                     | 100                            | 25.5                      | 47                           | E100                   |
| 300                                                                     | 100                            | 25.5                      | 32                           | E100                   |
| 400                                                                     | 10                             | 23                        | 26                           | E10                    |
| 500                                                                     | 10                             | 20                        | 20                           | E10                    |
| 800                                                                     | 10                             | 13                        | 13                           | E10                    |
| ePoE switch supply voltage 53V.<br>CAT6, max. DC resistance < 10Ω/100m. |                                |                           |                              |                        |
| ePoE Power Supply Specifications (RG59 Coaxial Cable)                   |                                |                           |                              |                        |
| Cable Length (m)                                                        | Communication Bandwidth (Mbps) | PoE Max Load Capacity (W) | Hi-PoE Max Load Capacity (W) | Network Operating Mode |
| 100                                                                     | 100                            | 25.5                      | 52                           | IEEE/E100              |
| 200                                                                     | 100                            | 25.5                      | 48                           | E100                   |
| 300                                                                     | 100                            | 25.5                      | 30                           | E100                   |
| 400                                                                     | 100                            | 20                        | 23                           | E100                   |
| 500                                                                     | 10                             | 16                        | 16                           | E10                    |
| 800                                                                     | 10                             | 10                        | 10                           | E10                    |
| 1000                                                                    | 10                             | 8                         | 8                            | E10                    |
| ePoE switch supply voltage 53V.<br>RG-59, max. DC resistance < 5Ω/100m. |                                |                           |                              |                        |

Installation



Panels



Dimensions (mm[inch])

