DH-2018P

Architectural and Engineering Specifications

Version 1.1

(Jan. 28, 2021)

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# Manufacturer

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# General

## Product Description

DH-2018P is a PoE switch designed and manufactured by IDIS. The PoE switch provides data transmission and power at the same time to the connected network cameras through Ethernet cables by using PoE-enabled ports without need of a separate power outlet for each network camera and it will reduce the installation costs. Two of service ports are RJ-45 connectors that support 10/100/1000 BASE-T without PoE (Power Over Ethernet) function. The other ports are RJ-45 connectors that support 10/100 BASE-T with PoE function.

## General Specification

1. The switch shall support 16 RJ45 connectors at 10/100 BASE-T.
2. The switch shall support 2 RJ45 connectors at 10/100/1000 BASE-T.
3. The switch shall support IEEE 802.3af-2003 and IEEE 802.3at-2009 PoE standard.
4. The switch shall support up to 16 IEEE 802.3af PDs(Powered Devices) or 4 IEEE 802.3at PDs.
5. The switch shall support 140W for PSE Power Budget.

# Technical Specification

## Hardware Specification

1. CPU: Embedded MIPS
2. System Memory: 256MB SDRAM, 32M Flash
3. Switching Capacity: 7.2Gbps

## Network Specifications

1. Copper Service Port: 16 RJ-45 Connectors(10/100 BASE-T ports)
2. Copper Uplink Port: 2 RJ-45 Connectors(10/100/1000 BASE-T ports)
3. Optical Uplink Port: N/A

## Power Over Ethernet

1. IEEE 802.3af/at compliant
2. Power to application over Ethernet cabling
3. Central power control for greater network utility
4. PoE alternate B power supply
5. Power feeding over 4/5 & 7/8 data twisted.
6. PoE-supported Network Camera Connection
   1. Up to 16 IEEE 802.3af cameras or 4 IEEE802.3at cameras

## Electrical Specifications

1. Power Supply Equipment power budget: 140W
2. Power Consumption: 160W
3. Power Input: AC100-240V, 2.0~1.0A, 50/60Hz
4. Regulatory Approvals:
   1. Electrical: FCC,CE,KC,UL,CB

## Mechanical Specifications

1. Unit Dimensions (W x H x D): 430mm x 44mm x 180mm (17.0" x 1.7" x 7.1")
2. Unit Weight: 2.05Kg (4.52lb)
3. Weight with Packaging: 3.1Kg (6.83 lbs.)

## Environmental Specifications

1. Operating Temperature: 0°C ~ 40°C (32℉~104℉)
2. Operating Humidity: 10~90%
3. Storage Temperature: -30°C ~ 60°C (-22°F ~ 140°F)

# Version History

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| --- | --- | --- | --- |
| **Version** | **Writer** | **Revision Date** | **Remarks** |
| 1.1 | Daniel Lee | Jan. 28. 2021 | L2 feature unsupported |
| 1.0 | Glen Oh | May. 15. 2018 | Initial Release |