DH-2026PF

Architectural and Engineering Specifications

Version 1.1

(Jan. 28, 2021)

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# Manufacturer

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# General

## Product Description

DH-2026PF 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. 24 ports of service ports are RJ-45 connectors that support 10/100 BASE-T with PoE(Power over Ethernet). The other 2 ports are RJ-45 connectors that supports SFP combo (10/100/1000BASE-T/1000BASE-X).

## General Specification

1. The switch shall support 24 RJ45 connectors at 10/100 BASE-T for Service port.
2. The switch shall support 2 SFP combo slots at 10/100/1000BASE-T/1000BASE-X.
3. The switch shall support IEEE 802.3af and IEEE 802.3at PoE standard.
4. The switch shall support up to 24 PDs(Powered Device) at IEEE 802.3af or 12 PDs at IEEE 802.3at.
5. The switch shall support 360W for PSE Power Budget.

# Technical Specification

## Hardware specifications

1. CPU: Embedded CPU
2. System Memory: 32MB SDRAM, 16MB Flash
3. Switching Capacity: 8.8Gbps

## Network features

1. Copper Service Port: 24 RJ-45 Connectors(10/100 BASE-T ports)
2. Copper Uplink Combo Port : 2 RJ-45 Combo Connectors (10/100/1000BASE-T)
3. SFP(Optical) Uplink Combo Port: 2 SFP Connectors (1000BASE-X)
4. DirectIP
   1. Automatic network IP configuration
   2. Individual port data transmission to DirectIP NVR (Network Video Recorder)

## Power Over Ethernet

1. IEEE 802.3af-2003 and IEEE 802.3at-2009 compliant
2. Power to application over Ethernet cabling
3. Central power control for greater network utility
4. PoE alternate A power supply
5. Power feeding over 1/2 & 3/6 data twisted.
6. PoE-supported Network Camera Connection
   1. Up to 24 IEEE 802.3af PDs or 12 IEEE 802.3at PDs

## Electrical Specifications

1. Power Supply Equipment power budget: 360W
2. Power Consumption: 450W
3. Power Input: AC100-240V, 5.0~2.5A, 50/60Hz
4. Regulatory Approvals:

Electrical: FCC, CE, KC, UL, CB

## Mechanical Specifications

1. Unit Dimensions (W x H x D): 430mm x 44mm x 235mm (17.0" x 1.7" x 9.3")
2. Unit Weight: 2.62kg (5.77lb)

## Environmental Specifications

1. Operating Temperature: 0°C ~ 40°C ('32°F ~ 104°F)
2. Operating Humidity: 10 ~ 90%
3. Storage Temperature: - 30°C ~ 60°C (-2.2°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 | TS Team | Jul. 21, 2020 | Initial Release |