DH-2212PF

Architectural and Engineering Specifications

Version 1.1

(Jan. 28, 2021)

Table of Contents

[1 Manufacturer 3](#_Toc62745241)

[2 General 3](#_Toc62745242)

[2.1 Product Description 3](#_Toc62745243)

[2.2 General Specification 3](#_Toc62745244)

[3 Technical Specification 3](#_Toc62745245)

[3.1 Hardware specifications 3](#_Toc62745246)

[3.2 Network Specifications 3](#_Toc62745247)

[3.3 Power Over Ethernet 4](#_Toc62745248)

[3.4 Electrical Specifications 4](#_Toc62745249)

[3.5 Mechanical Specifications 4](#_Toc62745250)

[3.6 Environmental Specifications 4](#_Toc62745251)

[Version History 5](#_Toc62745252)

# Manufacturer

IDIS Co., Ltd.

IDIS Tower, 344 Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13493, Korea

Tel: +82 31 723 5400

Fax: +82 31 723 5100

# General

## Product Description

DH-2212PF 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 the four service ports are RJ-45 connectors that support 10/100/1000 BASE-T without PoE (Power Over Ethernet) function. The two service ports are SFP connectors that support 10/100/1000BASE-X without PoE function. The other ports are RJ-45 connectors that support 10/100/1000 BASE-T with PoE function.

## General Specification

1. The switch shall support 8 RJ45 connectors at 10/100/1000 BASE-T for Service port.
2. The switch shall support 2 RJ45 connectors at 10/100/1000 BASE-T for Uplink port
3. The switch shall support IEEE 802.3af and IEEE 802.3at PoE standard.
4. The switch shall support up to 8 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 specifications

1. CPU: Embedded MIPS
2. System Memory: 256MB SDRAM, 32M Flash
3. Switching Capacity: 24Gbps

## Network Specifications

1. Copper Service Port: 8 RJ-45 Connectors(10/100/1000 BASE-T ports)
2. Copper Uplink Port: 2 RJ-45 Connectors(10/100/1000 BASE-T ports)
3. Optical Uplink Port: 2 SFP Connectors(1000BASE-X)

## 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 B power supply
5. Power feeding over 4/5 & 7/8 data twisted.
6. PoE-supported Network Camera Connection
   1. Up to 8 IEEE 802.3af cameras or 4 IEEE 802.3at 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:

Electrical: FCC, CE, KC, UL, CB

## Mechanical Specifications

1. Unit Dimensions (W x H x D): 280mm x 44mm x 180mm (11.02" x 1.73" x 7.09")
2. Unit Weight: 1.55Kg (3.42 lbs.)
3. Weight with packaging: 3.1Kg (6.83 lbs.) b

## 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Writer** | **Revision Date** | **Remarks** |
| 1.1 | Daniel Lee | Jan. 28. 2021 | L2 feature unsupported |
| 1.0 | Glen Oh | May. 26. 2018 | Initial Release |