

DH-2328PF

Architectural and Engineering Specifications

Version 1.1
(May 28, 2020)

Table of Contents

1	Manufacturer	3
2	General	3
2.1	Product Description	3
2.2	General Specification	3
3	Technical Specification	4
3.1	Hardware specifications	4
3.2	Network Specifications	4
3.3	Power Over Ethernet.....	5
3.4	Electrical Specifications.....	5
3.5	Mechanical Specifications	5
3.6	Environmental Specifications	5
	Version History	6

1 Manufacturer

IDIS Co., Ltd.
IDIS Tower, 344 Pangyo-ro, Bundang-gu
Seongnam-si, Gyeonggi-do, 463-400, Korea
Tel: +82 31 723 5400
Fax: +82 31 723 5100

2 General

2.1 Product Description

DH-2328PF 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. This switch provides intelligent services such as QoS, security, ACL (Access Control List), and multicast management to ensure stable network communications and to establish high-performance network. 24 ports of service ports are RJ-45 connectors that support 10/100/1000 BASE-T with PoE(Power over Ethernet). The other 4 ports are SFP slots that support 1000BASE-X without PoE function.

2.2 General Specification

1. The switch shall support 24 RJ45 connectors at 10/100/1000 BASE-T for Service port.
2. The switch shall support 4 SFP slots at 1000 BASE-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 380W for PSE Power Budget.

3 Technical Specification

3.1 Hardware specifications

1. CPU: Embedded MIPS
2. System Memory: 512MB SDRAM, 256MB Flash
3. Switching Capacity: 56Gbps

3.2 Network features

1. Copper Service Port: 24 RJ-45 Connectors(10/100/1000 BASE-T ports)
2. Optical Uplink Port: 4 SFP Connectors(1000BASE-X)
3. Quality of Service: Advanced QoS function of 8 physical queues per port.
4. VLAN
 - A. 4k 802.1q VLANs, Port-based VLAN, MAC-based VLAN, Protocol-based VLAN, Private VLAN, Voice VLAN, IP subnet-based VLAN, GVRP.
5. Link Aggregation
6. Port Mirroring
7. Spanning Tree
 - A. IEEE802.1d STP, IEEE802.1w RSTP, standard 802.1s MSTP/DHCP
8. DHCP
 - A. DHCP server, DHCP client, DHCP snooping, DHCP relay, IPv6 DHCP snooping, IPv6 DHCP client, IPv6 DHCP relay.
9. SNMP v1, v2, v3
10. L2 features
 - A. IEEE802.1Q, ARP, VLAN, Basic QinQ, Flex QinQ, Mirroring, STP, RSTP, MSTP, Broadcast storm control, IGMP v1/v2 snooping, IGMP filter, IGMP fast leave, DHCP, Jumbo frame, RLD, LLDP, REUP, G.8032
 - B. Protocol
 - i. IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.1p, IEEE802.1x, IEEE802.3ab, IEEE802.1Q(GVRP), IEEE802.1d, IEEE802.1w, IEEE802.1s, IGMP snooping v1/v2
11. L3 Features
 - A. ARP, IPv4/v6, PBRv4/v6
12. 16000 MAC address entries
13. 2000-entry ACL(Access Control List)
14. Standard Ethernet bridge

3.3 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
 - A. Up to 24 IEEE 802.3af PDs or 12 IEEE 802.3at PDs

3.4 Electrical Specifications

1. Power Supply Equipment power budget: 380W
2. Power Consumption: 460W
3. Power Input: AC100-240V, 2.5~5.5A, 50/60Hz
4. Regulatory Approvals:
Electrical: FCC, CE, CB, NRTL, KC

3.5 Mechanical Specifications

1. Unit Dimensions (W x H x D): 440mm x 42.8mm x 268mm (17.3" x 1.7" x 10.5")
2. Unit Weight: 4.3kg (9.47lb)

3.6 Environmental Specifications

1. Operating Temperature: 0°C ~ 50°C (32°F~122°F)
2. Operating Humidity: 10 ~ 90%
3. Storage Temperature: - 20°C ~ 70°C (-4°F ~ 158°F)

Version History

Version	Writer	Revision Date	Remarks
1.0	Glen Oh	May, 21 th , 2019	Initial Release
1.1	Everett Lee	May, 28 th , 2020	Unit Dimensions Modification