# HUS-HDM-F82S

**Hardened Grade Unmanaged 8-port 10/100/1000Base-TX + 2-port 1000Base-SFP Ethernet Switch with Redundant DC Power Inputs**

## Features

- 8 10/100/1000Base-TX + 2 1000Base-SFP
- Supports IEEE802.3az energy-saving technology
- Supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- 9K Bytes Jumbo Frame
- Supports Broadcast Storm Control
- Supports 802.3x Flow control
- 10/100/1000Mbps RJ45 Port
- Supports external 1000Base-SFP
- 2M bits frame buffer memory
- Supports Wall-mount and DIN-Rail installation
- Redundant Power Inputs
- -40°C to 75°C (-40°F to 167°F) operating temperature

## Specifications

### Ethernet

| | |
|---|---|
| standards | IEEE802.3 |
| | IEEE802.3u |
| | IEEE802.3x |
| | IEEE802.3z |
| | IEEE802.3az |
| | IEEE802.3ab |
| | IEEE802.1q |
| | IEEE802.1x |
| Processing Type | Store and forward |
| Forward Filter Rate | 14,880pps (10Mbps) |
| | 148,800pps (100Mbps) |
| | 148,8000pps (1000Mbps) |
| Cabling | 10Base-TX Cat5 or above |
| | 100Base-TX: Cat5 or above |
| | 1000Base-TX: Cat5 or above |
| Packet Buffer Memory | 2Mbits |
| Max Packet Length | 9216 Bytes |
| Address Table Size | 4K |
| Switch Fabric | 20Gbps |

### Interface

| | |
|---|---|
| RJ45 port | 10/100/1000Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X |
| SFP Port | 1000Base-SFP (Suggest HEPDA SFP) |
| LED Indicators | Power; Link |

## Optical

| | |
|---|---|
| SFP Port | 1000Mbps |

## Electrical & Mechanical

| | |
|---|---|
| Input Power | DC9-56V (Terminal block, Redundant power) |
| Power Consumption | 5W, Max. 0.1A@48VDC |
| Connector | 1 removable 6-contact terminal blocks |
| | Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm |
| Dimensions | 138 x 108 x 49 mm |
| Weight | 650g |
| Casing | Aluminum case |
| Mounting Options | DIN-Rail and Wall Mount |

## Environmental

| | |
|---|---|
| Operation Temperature | -40˚C to 75˚C (-40˚F to 167˚F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| Relative Humidity | 5% to 90% non-condensing |
| MTBF | >100,000 hrs |

## Regulatory Approvals

| | |
|---|---|
| EMC | CE (EN55032, EN55035) |
| EMI | FCC Part 15 Subpart B |
| EMS | EN61000-4-2 (ESD)    EN61000-4-3 (RS) |
| | EN61000-4-4 (EFT)    EN61000-4-5 (Surge) |
| | EN61000-4-6 (CS)     EN61000-4-8 (PFMF)   EN61000-4-11 |
| Surge Protection | 6KV for RJ-45 and SFP ports |
| Shock | IEC60068-2-27 |
| Freefall | IEC60068-2-32 |
| Vibration | IEC60068-2-6 |

## Ordering Information

| Available Model | Description |
|---|---|
| HUS-HDM-F82S | Hardened Grade Unmanaged 8-Port 10/100/1000Base-TX + 2 Port 1000Base-SFP Ethernet Switch with Redundant DC Power Inputs |

## Optional Accessories (to be purchased separately)

| | |
|---|---|
| SFP | (S)=SFP Option. Please select your SFP on our SFP Modules page for details. |
| Power supply | Recommended power supply: MDR-10-12. Please refer to the Power Adaptors and Power Supply page for more information. |

## Package Checklist

- Unmanaged Switch — x 1
- DIN-Rail Clip — x 1
- Quick Installation Guide — x 1