# KBVISION

# KM-DD3409STS-4GT

## 10-Port Managed Hardened Gigabit Switch with 8-Port PoE

- Meets the requirements of IEEE802.3,IEEE802.3u,IEEE802.3x, IEEE802.3ab standards
- Meets the requirements of IEEE802.3af, IEEE802.3at, Hi-PoE, and IEEE802.3bt power supply standards.
- Manages PoE power consumption and PoE power on/off. Supports Intelligent PoE.
- A wide operating temperature range and a full metal casing that is fully-enclosed and dust-proof.

## Technical Specification

### Basic

| | |
|---|---|
| Switching Capacity | 20 Gbps |
| Packet Forwarding Rate | 14.88 Mpps |
| Description of Function Slots | Port 1-8: 8 × RJ-45 10/100/1000 Mbps (PoE)<br>Port 9-10: 2 × SFP 1000 Mbps (uplink) |
| PoE Power | Port 1-2 ≤ 90 W, Port 3-8 ≤ 30 W, total ≤ 110 W |
| Layer | Layer 2 |
| Management Type | Yes |
| Operating Temperature | −30 °C to +65 °C (-22 °F to +149 °F) |
| Operating Humidity | 5%–95% (RH), non-condensing |
| Power Consumption | Idling: ≤5 W ; Full load: 120 W |
| Power Supply | External power supply: 53 VDC, 2.22 A |
| Statics Protection | Air discharge: 8 kV; Contact discharge: 6 kV |
| Lighting Protection | Common mode: 4 kV; Differential mode: 2 kV |
| Net Weight | 0.63 kg (1.39 lb) |
| Product Dimensions | 162 mm × 123.5 mm × 42 mm (6.38" × 4.86" × 1.65")<br>(L × W × H) |

### Hardware

| | |
|---|---|
| Included Power Adapter | Yes |
| PoE | Yes |
| Ethernet Port | 8 |
| Ethernet Port Speed | 10/100/1000 Mbps |
| Optical Port Uplink Speed | 1 Gbps |
| Debugging | 1 × Console port |
| Reset Button | 1 |
| Storage Temperature | −40 °C to +70 °C (−40 °F to +158 °F) |
| Storage Humidity | 5%–95% (RH), non-condensing |

## Performance

| | |
|---|---|
| Smart Managed Switch | Yes |
| Packet Buffer Size | 4 Mbit |
| Jumbo Frame | 15K Byte |
| MAC Table Size | 8K |
| VLAN Number | 32 |
| Communication Standard | IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE802.3ab |

## Feature

| | |
|---|---|
| PoE Protocol | IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt |
| PoE Power Consumption Management | Yes |
| PoE Pin Assignment | 1,2,4,5 (V+),3,6,7,8 (V-) |
| Long Distance PoE Transmission | Yes |
| Spanning Tree Protocol | STP/RSTP |
| VLAN Function | Port-based VLAN |
| IEEE 802.3x Flow Control | Yes |
| DHCP Function | DHCP Client |
| QoS/ACL | Qos |
| Equipment Management | Web management |

## General

| | |
|---|---|
| Gross Weight | 1.40 kg (3.08 lb) |
| Packaging Dimensions | 311.5 mm × 251.5 mm × 128.5 mm (12.26" × 9.90" × 5.06") (L × W × H) |
| Casing Material | Sheet metal |
| Installation | Desktop mount; DIN-Rail mount |

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## Transmission Performance:

Switch power supply voltage 53V.
CAT5E/CAT6.  Max. DC resistance < 10 Ω/100 m

| Cable(m) | Load Capacity(W) | Bandwidth(Mbps) |
|---|---|---|
| **IEEE802.3bt 90 W** | | |
| 100 | 71.3 | 1000 |
| 150 | 62 | 10 |
| 200 | 51 | 10 |
| 250 | 40 | 10 |
| **Hi-PoE 60 W** | | |
| 100 | 53 | 1000 |
| 150 | 50 | 10 |
| 200 | 47 | 10 |
| 250 | 37 | 10 |
| **IEEE802.3at 30 W** | | |
| 100 | 25.5 | 1000 |
| 150 | 25.5 | 10 |
| 200 | 25.5 | 10 |
| 250 | 25.5 | 10 |

## Dimensions (mm[inch])

42.0 [1.65]
162.0 [6.38]
132.4 [5.21]
122.0 [4.80]