

DVS-G008W01 Series

Unmanaged Industrial 8-Port GbE Ethernet Switches



- ▶ Transparent transmission of VLAN tagged packets
- ▶ Auto warning by relay output for power failure
- ▶ 12 to 48 V_{DC} redundant terminal block power input with 10 to 24 V_{AC}
- ▶ Jumbo frame size up to 9,216 Bytes
- ▶ -40°C to 75°C operating temperature
- ▶ Compatible with various industrial protocols, including EtherNet/IP, Profinet, CC-LINK IE, and DNP 3.0

Specifications

TECHNOLOGY

Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-T(X) and 100Base-FX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3x Flow Control

Processing Type

- Store and forward
- IEEE 802.3x flow control in full duplex, back-pressure flow control in half duplex

INTERFACE

Gigabit Ethernet

RJ45 Ports:

- 10/100/1000Base-T, auto MDI/MDI-X, auto negotiation

LEDs

Per Device:

- ALARM, PWR1, PWR2

Per Port:

- 10/100/1000M, LINK/ACT

Alarm Contacts (DO)

- 1 relay output, carry current 1.5A @ 24 V_{DC}

PERFORMANCE AND SCALABILITY

Switching Capacity

- 16Gbps, wire-speed, non-blocking switching fabric

Forwarding Rate

- 11.9Mpps

MAC Address Table

- 4K

Packet Buffer Memory

- 1.5M bits

Jumbo Frame

- 9,216 Bytes

Transparent Forwarding VLAN Tagged Packets:

- Default enabled

POWER REQUIREMENTS

Input Voltage

- 2 sets, 12 to 48 V_{DC} / 10 to 24 V_{AC} redundant terminal block input

Input Current

- Max. 0.23A

Overload Current Protection

- Present, max. input current 5A

Reverse Polarity Protection

- Present

PHYSICAL

Housing

- IP30 Metal case

Dimensions

- 95mm (H) x 40mm (W) x 100mm (D)

Weight

- 500g

Installation

- DIN-Rail and wall mounting

ENVIRONMENTAL LIMITS

Operating Temperature

- -40°C to 75°C (-40°F to 167°F)

Storage Temperature

- -40°C to 85°C (-40°F to 185°F)

Ambient Relative Humidity

- 5% to 95% (non-condensing)

APPROVALS

Safety

- UL 61010, IEC 62368-1, KC

EMI

- FCC 47 CFR Part 15 Subpart B Class A, IEC 61000-6-4, EN 55011, EN 55032 (CISPR 32), RCM

EMS [IEC 61000-6-2, IEC 61131-2, EN 55024, EN 55035]

- EN 61000-4-2 Level 3, EN 61000-4-3 Level 3, EN 61000-4-4 Level 3, EN 61000-4-5 Level 3, EN 61000-4-6 Level 3, EN 61000-4-8 Level 4

Environmental Type Tests

Cold Temperature:

- IEC 60068-2-1

Dry Heat:

- IEC 60068-2-2

Humidity:

- IEC 60068-2-78

Shock:

- IEC 60068-2-27

Freefall:

- IEC 60068-2-32

Vibration:

- IEC 60068-2-6

Hi-Pot:

- 2.25KV

Ordering Information

Product		Port Combination		Interface			Region
Model Name	Operating Temperature	Combo Port 10/100/1000Base-T and 100/1000Base-SFP	10/100/1000 Base-T	DI	DO (Relay)	Power Input	
DVS-G008W01	-40°C to 75°C	---	8	---	1	2	Worldwide
DVS-G008W01-KR	-40°C to 75°C	---	8	---	1	2	South Korea

Optional Products

DVP/CliQ/PMC Series: 12/24 V_{DC} Industrial Power Supply

CliQII/PMC Series: 48V_{DC} Industrial Power Supply