

DVS-G406W01-2GF Series

IEEE 802.3af/at PoE+ Unmanaged Industrial 4-Port GbE + 2-Port 100/1000Base-SFP Ethernet Switches



-40~70°C

EMC
LEVEL 3

FANLESS



- ▶ 4 10/100/1000Base-T PoE+(PSE) ports
- ▶ Based on IEEE 802.3at standard up to 30Watts per port.
Backward compatible with IEEE 802.3af
- ▶ SFP ports support 100Base-FX and 1000Base-X dual transmission speed
- ▶ Jumbo frame size up to 9K Bytes
- ▶ 48 to 57V_{DC} redundant terminal block power input
- ▶ Auto warning by relay output for power failure
- ▶ Compatible with various industrial protocols of 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 802.3z 1000Base-X
- IEEE 802.3x Flow Control
- IEEE 802.3af PoE 15.4 Watts
- IEEE 802.3at PoE 30 Watts

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

PoE+ Pinout:

- 1 & 2 DC+, 3 & 6 DC-

SFP Ports:

- 100/1000Base-SFP

LEDs

Per Device:

- PWR1, PWR2, ALARM

Per Port:

- PoE, 10/100/1000M, LINK/ACT

DIP Switches

- Power failure alarm
- SFP speed

Alarm Contacts (DO)

- 1 relay output
- Carry current 1A@24V_{DC}

PERFORMANCE AND SCALABILITY

Switching Capacity

- 12Gbps, wire-speed, non-blocking switching fabric

Forwarding Rate

- 8.9Mpps

MAC Address Table

- 1K

Packet Buffer Memory

- 1M bits

Jumbo Frame

- 9,216 Bytes

POWER REQUIREMENTS

Input Voltage

- 2 sets, 48 to 57 V_{DC} redundant terminal block input

Input Current

- Max. 2.52A (with powered device); Max. 0.13A (without powered device)

Overload Current Protection

- Present, max. input current 10A

Reverse Polarity Protection

- NOT Present

PHYSICAL

Housing

- IP30 metal case

Dimensions

- 144.3 mm (H) x 26.1 mm (W) x 94.9 mm (D)

Weight

- 410g

Installation

- Industrial DIN-Rail and wall mounting

ENVIRONMENTAL LIMITS

Operating Temperature

- -40°C to 70°C (-40°F to 158°F)

Storage Temperature

- -40°C to 85°C (-40 °F to 185 °F)

Ambient Relative Humidity

- 5% to 95% (non-condensing)

APPROVALS

Safety

- EN 60950-1

EMI

- FCC 47 CFR Part 15 Subpart B Class A, EN 55022 (CISPR22)

EMS

- IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6

Ordering Information

Product		Port Combination		Interface		
Model Name	Operating Temperature	af/at PoE+, 10/100/1000Base-T	100/ 1000Base-SFP	DI	DO (Relay)	Power Input
DVS-G406W01-2GF	-40°C to 70°C	4	2	---	1	2

Optional Products

LCP Series: 100Base-FX/1000Base-X SFP Fiber Transceiver. See the LCP Series datasheets for product information.

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