

DVS-G005I00C Series

Unmanaged Industrial 5-Port GbE Ethernet Switches



UL61010



-20~70°C



FANLESS

- ▶ 12 to 48 V_{DC} redundant terminal block power input
- ▶ Jumbo frame size up to 10K Bytes
- ▶ -20°C to 70°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)
- 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:

- PWR1, PWR2

Per Port:

- 10/100/1000M, LINK/ACT

PERFORMANCE AND SCALABILITY

Switching Capacity

- 10Gbps, wire-speed, non-blocking switching fabric

Forwarding Rate

- 7.44Mpps

MAC Address Table

- 8K

Packet Buffer Memory

- 1M bits

Jumbo Frame

- 10K Bytes

POWER REQUIREMENTS

Input Voltage

- 2 sets, 12 to 48 V_{DC} redundant terminal block input

Input Current

- Max. 0.3A

Overload Current Protection

- Present, max. input current 0.5A

Reverse Polarity Protection

- Present

PHYSICAL

Housing

- IP40 PC plastic

Dimensions

- 110mm (H) x 28mm (W) x 75mm (D)

Weight

- 125g

Installation

- Industrial DIN-Rail

ENVIRONMENTAL LIMITS

Operating Temperature

- -20°C to 70°C (-4°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

- UL 61010, IEC 62368-1

EMI

- FCC 47 CFR Part 15 Subpart B Class A, EN 55032, AS/NZS CISPR 32

EMS [EN 55024]

- IEC 61000-4-2 level 3, IEC 61000-4-3 level 3, IEC 61000-4-4 level 3, IEC 61000-4-5 level 1, IEC 61000-4-6 level 3, IEC 61000-4-8 level 4, IEC 61000-4-29

Environmental Type Tests

Cold Temperature:

- IEC 60068-2-1

Dry Heat:

- IEC 60068-2-2

Humidity:

- IEC 60068-2-30

Shock:

- IEC 60255-21-2

Freefall:

- IEC 60068-2-32

Vibration:

- IEC 60068-2-6

Hi-Pot:

- 500V

Ordering Information

Product		Port Combination			Interface		
Model Name	Operating Temperature	Combo Port 10/100/1000Base-T and 100/1000Base-SFP	10/100/1000 Base-T	10/100 Base-T(X)	DI	DO (Relay)	Power Input
DVS-G005100C	-20°C to 70°C	---	5	---	---	---	2

Optional Products

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

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