



Dafocom
SOLUTIONS

DV1 DATA DIODE

Layer-1 data protection solution



The DV1 is a layer-1 hardware solution that completely restricts the flow of information and data in one direction. Plug-and-play, military-grade certified, and power over ethernet.

RX Edition

The RX edition stops all unwanted malware from transmitting your sensitive data outside your domain thus ensuring your information and intel is stored and received in a safe manner.

Features & Security

The DV1 allows for up to 1GB/s of line speed and uses power over ethernet (PoE). It is virtually unhackable compared to software only, making it a solution in both static and dynamic environments.

TX Edition

Block out all the noise! The TX edition only allows unidirectional transmission of data, thus ensuring your network cannot receive any unwanted incremental data.

Hardware

The DV1 is made rugged to withstand harsh environmental conditions and is a quick plug-and-play solution for tactical situations that require fast deployment. The DV1 is hardware-based, which means no latency and little processing power required.

Let us integrate our solution into your desired outcome!

Canada

425 Legget Dr.,
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USA

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Features

Enclosure designed for harsh and rugged environments.

Field-proven sturdy military connectors offer protection from dust, humidity, vibrations, and harsh temperatures.

38999 Connector prevents user from plugging standard network cables on the secure side.

Auto-negotiates at 10/100/1000 Mbps

EMI provided through shielding, bonding and isolation of the power supplies; all connectors are shielded. Data Isolation is provided through the fiber optic link.

Three Power Options: AC/DC/POE

Electrical

AC Power: 90-240 VAC ≤ 1.5 W 47 ~ 440Hz

DC Input: 18-36 VDC ≤ 5 W

Power over Ethernet: Type 1 Device

Power requirements: > 12 W

Low Connection: RJ45

High Connection: M38999

Power Connection: M83723

Physical

Weight: 1kg

Dimensions:

Width: 100mm

Height: 80mm

Length: 160mm

Enclosure Material: Aluminium

Finish: Anodized Black

Tamper protection: Yellow Security Paint

Environmental

Mechanical Shock: 40G \pm 4G (Method 516.5)

Vibration Wheeled: 12 hrs (Method 514.5)

Vibration Tracked: 12 hrs (Method 514.5)

Storage Temp. High: +80°C (Method 501.4)

Storage Temp. Low: -65°C (Method 502.4)

Operational Temp. High: +65°C (Method 501.4)

Operational Temp. Low: -51°C (Method 502.4)

Op. Humidity: +65°C 95% RH (Method 507.4)

Salt Fog: 2x24hr cycles wet/dry (Method 509.4)

Temp. Shock: -51°C to +55°C (Method 503.4)

Notes: All environmental testing uses the Military Standard 810F Test (MIL-STD-810). Methods listed per item refer to the aforementioned test. All specifications and figures in this document are subject to change without prior notice.

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