

DPM-Ve

Rugged Display Processing Module

Rugged Displays and Computing: Computers and Smart Displays



ScioTeq's DPM-Ve rugged display processing module provides high-performance data processing in a compact footprint. Because of design for SWaP-C and modular open architecture, the DPM-Ve is an ideal solution for vehicle mounted C4ISR applications.

Extreme Performance

ScioTeq's DPM-Ve rugged display processing module provides the highest performance possible in an embedded computer with a 6th Generation Intel® Quad-Core™ i7 CPU, packaged to deliver optimal performance while operating in harsh environments.

Modular Design

The DPM-Ve includes 6 expansion slots based on open industry standards. This modularity allows customised IO configurations and dedicated hardware controllers to support multiple security domains.

Advanced Virtualisation and Platform Protection

Featuring Intel® Virtualisation (VT-x, VT-d, vPro), Intel® Trusted Execution Technologies (TxT), and a Trusted Platform Module (TPM); the DPM-Ve offers a perfect solution for platforms requiring Information Assurance.

Product Specifications

GENERAL	
Computing	Intel® Quad Core™ I7-6822EQ, 4 x 2.0 GHz
RAM	Up to 16 GB DDR3 SODIMM
Graphics Card	Intel® HD Graphics 530
Inputs/Outputs	2x Intel PRO1000 Gigabit Ethernet port 4x USB 2.0 or 3.0 4x isolated serial lines (RS232/RS422/485) 2x isolated CAN bus, J1939 and CAN 2.0B compliant HD audio in/out/micro 4x isolated video inputs RS170, PAL/NTSC
Option Slots	1x MXM 1x XMC or M.2 miniPCle 4x miniPCle 1x M.2 miniSATA
Operating System	No Operating System installed
Power Supply	28 VDC nominal, MIL-STD-1275E compliant
Power Consumption	40 W nominal, 80 W maximum (without heaters)
Dimensions	305 x 217 x 76 mm (w x d x h)
Weight	5 kg
ENVIRONMENTAL (MIL-STD-810G)	
Operating Temperature	- 46°C to + 65°C
Storage Temperature	- 51°C to + 71°C
Humidity	95%, 60°C
Altitude	40,000 ft operating, 50,000 ft non-operating
Salt Fog	48 hours, 5% concentration
Sand and Dust	Blowing sand/dust
Ingress Protection	1 metre immersion for 30 minutes
Vibration	Tracked Vehicle profile
Shock	40 g, 23 ms (6 shocks/axis)
EMI/EMC	MIL-STD-461F Ground army

January 2020

All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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