

DPM-Ve

Rugged Display Processing Module



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 customized IO configurations and dedicated hardware controllers to support multiple security domains.

Advanced Virtualization and Platform Protection

Featuring Intel® Virtualization (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 specification	
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	28VDC nominal, MIL-STD-1275E compliant
Power consumption	40W nominal, 80W maximum (without heaters)
Dimensions	305 x 217 x 76 mm / 12.00 x 8.50 x 3.00 inches (w x d x h)
Weight	5 kg / 11 lbs
ENVIRONMENTAL (MIL-STD-810G)	
Operating temperature	-46 to +65 °C
Storage temperature	-51 to +71 °C
Humidity	95 percent, 60° C
Altitude	40,000 feet operating, 50,000 feet non-operating
Salt fog	48 hours, 5 percent concentration
Sand and dust	blowing sand/dust
Ingress protection	1 meter immersion for 30 minutes
Vibration	Tracked Vehicle profile
Shock	40g, 23ms (6 shocks/axis)
EMI / EMC	MIL-STD-461F Ground army
OTHER	
For custom options, please contact ScioTeq	

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The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

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