

DPM-S Display Processing Module

Rugged, Expandable Graphics Processor
for Shelter Environments

**Powerful Processing and Open Architecture
in a Compact Package Deliver-High-Performance
for C4ISR Applications**



*DPM-S units:
fan-less and with fan*

The DPM-S display processing module from ScioTeq delivers the latest in industrial workstation-class PCIe graphics and Intel® Mobile Core™ computing performance, all packaged in a compact and sealed enclosure. Its built-in rugged computer is qualified for use in harsh operating conditions.

Hardware-Accelerated Streaming and 3D Imaging

Networked video streaming and processing, such as image fusion, are enabled through GPU hardware acceleration for real-time situational awareness and enhanced decision making.

Designed for Integration

Multiple expansion slots allow customization of the platform interfaces, making the DPM-S unit configurable for applications from thin client up to fully functional workstations.



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 (standard, Fanless Chassis) Option: NVIDIA GPU (Requires Fans Chassis)
Inputs / outputs	2 x DVI-DL (standard, Fanless Chassis) 1 x DVI-DL (GPU Option, Fans Chassis) 2x Intel PRO1000 Gigabit Ethernet port 4x USB 2.0 4x isolated serial lines (RS-232/RS-422/485) HD audio in/out/mic/PTT 4x isolated video inputs RS-170, PAL/NTSC
Option slots	1x PEG16 (MXM or PCIe) 1x XMC or M.2 mini PCIe 4x mini PCIe 1x M.2 mini SATA 2x isolated CAN bus, J1939 and CAN 2.0B
Operating system	No Operating System installed
Power supply	28VDC nominal
Power consumption	62W nominal
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	-30° to +55° C (+65° C with fans)
Storage temperature	-40° to +71° C
Humidity	95 percent, 60° C
Altitude	35,000 feet operating, 40,000 feet non-operating
Salt fog	48 hours, 5 percent concentration
Sand and dust	blowing sand/dust
Ingress protection	IP65
Vibration	trailer and composite-wheeled vehicles
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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