

DPM-S

Display Processing Module

Shelters Rugged Displays and Computing: Rugged Computers



Rugged, Expandable Graphics Processor for Shelter Environments



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

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

The DPM-S display processing module from Esterline 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 customisation of the platform interfaces, making the DPM-S unit configurable for applications from thin client up to fully functional workstations.

Product Specifications

CPU	Intel® Core™ i7-4700EQ, 4x 2.4 GHz
RAM	Up to 16 GB DDR3 SODIMM
GPU	Intel® HD Graphics 4600 (standard, Fanless Chassis) Option: NVIDIA K2200 GPU or equivalent (Requires Fans Chassis)
Standard I / O	2 x DVI-DL (standard, Fanless Chassis) 1 x DVI-DL (GPU Option, Fans Chassis) 2 x Intel PRO1000 Gigabit Ethernet port 4 x USB 2.0 4 x isolated serial lines (RS-232/RS-422/485) HD audio in/out/mic/PTT 4 x isolated video inputs RS-170, PAL/NTSC
Options slots	1 x PEG16 (MXM or PCIe) 1 x XMC or M.2 mini PCIe 4 x mini PCIe 1 x M.2 mini SATA 2 x isolated CAN bus, J1939 and CAN 2.0B
Operating system	CentOS 6.x (64-bit)
Power supply	28 VDC nominal
Power consumption	62 W nominal
Environmental	MIL-STD-810G Operating temperature: -30° C to + 55° C (+65° C with limitations) Storage temperature:-40° C to +71° C Humidity: 95 percent, 60° C Altitude: 35,000 feet operating, 40,000 feet non-operating Salt fog: 48 hours, 5 percentage concentration Sand and dust: blowing sand/dust Ingress protection: IP 65 Vibration: trailer and composite-wheeled vehicles Shock: 40 g, 23 ms (6 shocks/axis)
EMI / EMC	MIL-STD-461F Ground army

September 2018

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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