



Control &  
Communication Systems

### Codis DPM-3 Display Processing Module

Compact, rugged video processor with open architecture

## Customizable computer delivers real-time video processing and MIL-qualified performance in a compact, rugged design

The Codis DPM-3 rugged computer from Esterline is used for on-the-move operations in the space-constrained crewstations of combat and tactical vehicles and helicopters. It delivers the latest MXM graphics and Intel® Mobile Core™ computing power, and is fully MIL qualified and field proven.

### Compact, Modular Solution for Extreme Environments

The DPM-3 computer is designed for optimal SWaP-C (size, weight, power, and cost), offering the most compact package in its processing class. Its modular and open architecture facilitates a complete, customized solution, all ruggedized for the most extreme environments.

### Real-Time Video Processing

The DPM-3 computer easily connects to a wide range of sensors, and its discrete GPU enables hardware-accelerated image processing. Also featured are advanced video processing (such as image fusion) and high-resolution video streaming functionality for improved situational awareness.



# Codis DPM-3 Display Processing Module

## Specifications

Computing	Intel® Dual-Core™ i7-2655LE, 2x 2.2 GHz, 8 GB ECC RAM	Dimensions	305 x 217 x 76 mm / 12.00 x 8.50 x 3.00 inches (w x d x h)
Graphics card	Integrated Intel® HD Graphics 3000	Weight	5 kg / 11 lbs
Storage capacity	256 GB Removable SSD, SATA II compliant (3 Gb/sec)	Environmental	MIL-STD-810G Operating temperature: -46° to +65° C (+71° C with limitations) 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: 40 g, 23 ms (6 shocks/axis)
Inputs / outputs	2x Intel PRO1000 Gigabit Ethernet ports 6x USB 2.0 8x serial lines (RS232/RS422/RS485) 2x CAN buses, CAN 2.0B compliant HD audio in/out/micro AC 97 I/O isolated or buffered as applicable	EMI / EMC	MIL-STD-461E/F Ground army
Option slots	1x MXM (graphics upgrade slot) 2x XMC or 1x XMC and 4x mini PCI-e 1x vehicle I/O extension slot		
Operating system	Microsoft Windows 7 Professional for Embedded Systems, 64-bit		
Power supply	28 VDC, MIL-STD-1275D compliant, IES hold-up compliant		
Power consumption	Power consumption 50 W typ., 80 W max. (without heaters)		

## Options

Graphics upgrade	ATI Radeon HD8860M MXM 3.0
Esterline vehicle I/O extension board	16x digital input, contact to the vehicle chassis ground 4x digital outputs, 300 mA, referenced to the vehicle VBAT (32 V max. low side) 4x digital outputs, 2 A, referenced to the vehicle GND (high side) 4x analog inputs (2x 0 to 5 V and 2x 0 to 36 V)
Operating system	RedHat Linux Enterprise Linux 6.x, 64-bit

For more information about the  
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