



Asperasys
Aspera Electronic Systems

MINIATURE STORAGE COMPUTER FOR EXTREME CONDITIONS



FEATURES

- | Multi-purpose rugged military computer with in-built storage
- | Portable, small size, lightweight, low power, extremely rugged
- | Conduction Cooled chassis
- | Optional Docking station available with MIL-STD connectors

ELECTRICAL

- | Embedded low power CPU (upgradeable)
- | Embedded Ethernet Switch
- | Supports up to 2 internal SSDs
- | Conformal coated components

QUALIFICATION

- | MIL-STD-810F, MIL-STD-461
- | MIL-STD-464, MIL-STD-1275
- | Long-life cycle configuration
- | Ground / Air / Naval applications



www.asperasys.com

ABOUT ASPERA ELECTRONIC SYSTEMS

Aspera electronic systems is a subsidiary of Edco Technologies 1993 LTD. with branches located in both USA and Israel, With more than 30 years of combined experience.

Aspera electronic systems offers rugged computing systems for extreme conditions, such as powerful servers, storage appliances, high deployment switches and video encoders.

MINIATURE STORAGE COMPUTER

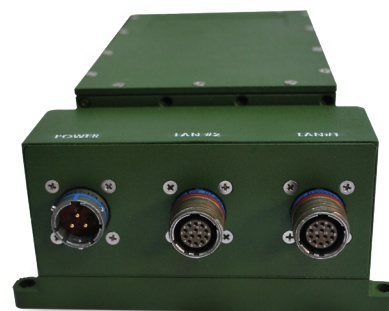
Aspera presents the latest generation of small form factor, highly rugged multi-purpose military computer with built in storage. This lightweight unit features a choice of multiple low power CPUs, with an upgrade capability built in. The qualification to MIL-STDs makes it suitable for a range of rugged applications including Air, Naval, Land and tracked vehicles. It is built from aircraft grade aluminum and includes no moving parts – cooling is achieved via conduction of the heat to the outer walls. The 2 Gigabit Ethernet and 4 USB2.0 interfaces allow it to be connected to other units as part of a larger system. An optional docking station is also available, which provides highly rugged MIL-38999 connectors.

SPECIFICATIONS

CPU Options	Atom™ E3845 1.91 GHz 542/792 Gfx (Turbo) 10W (4C/1333) Atom™ E3825 1.33 GHz 533 Gfx (No Turbo) 6W (2C/1066) Atom™ E3815 1.46 GHz 400 Gfx (No Turbo) 5W (1C/1066)
Input Voltage	Wide range 5V- 32V DC, MIL-STD-1275
Peripherals	2 x 1GBE, 4 x USB 2.0, VGA
Cooling	Conduction Cooled System
Options	Docking station with Mil-38999 connectors
Weight	1.5Kg
Dimensions	6.2(H) x 10.5(W) x 17(L) CM
Model	MSC100

Environment	Designed to meet vast range of harsh environmental standards
Shock & Vibration	Shock - Max 130g (ballistic shock), 40g (functional shock) Vibration – non/operating/transportation as per MIL-STD-810F
Temperature	Operating: -20°C to +71°C Storage: -40°C to +90°C
Humidiey & Dust	Humidity - up to 95% as per MIL-STD-810F,Method 507.4 Dust as per MIL-STD-810F,Method 510.4 Proc.I
EMI / EMC	MIL-STD-461 & MIL-STD-464

** Preliminary, for availability info consult factory*



MSC100 MINIATURE COMPUTER



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