

MAINTENANCE SUPPORT DEVICE MSD V4 SEMI-RUGGED



MSD - THE MAINTAINER'S AMMUNITION

The Maintenance Support Device - Version 4 (MSD V4) Semi-Rugged system is part of the Integrated Family of Test Equipment (IFTE) and the U.S. Army's sixth generation at-platform multipurpose standard automatic test equipment (ATE). The MSD V4 systems are used throughout all levels of maintenance as the Army's standard general purpose At-Platform Automatic Test System (APATS) to test and diagnose highly complex communications, other electronic commodity equipment, missiles, aircraft, and ground vehicles and to identify failed line replaceable units. Maintainers also use the MSD V4 systems to host interactive Electronic Technical Manuals (IETM), run specific applications and upload or download mission data or software.

Built around the Dell® 5424 Rugged Laptop, MSD V4 Semi-Rugged is designed for Soldiers and Marines in support units conducting Level 1 repairs and services.

All MSD V4 systems incorporate a Trusted Platform Module 2.0 (TPM) as part of a comprehensive Embedded Security architecture based on advanced Trusted Computing Technologies. The Hardware Root of Trust built by the MSD Embedded Hardware Security subsystem provides a unique and advanced foundation for Cybersecurity threat protection.

All MSD V4 computers reside on an evolving Technology Roadmap. Leonardo DRS is committed to providing next generation computing systems to equip MSD operators with the latest technologies. New computers with advanced processors and expanded memory can be introduced as they become available; and will be backwards compatible with fielded systems.

MSD V4 is a next generation leap with COTS technologies ensuring MSD operators have the very best in test equipment from Unit to Depot to the Services level.



MSD V4 SEMI-RUGGED

HIGHLIGHTS

- Rugged portable design
- Multiple power sources
- Outdoor/Daylight Display
- Built-in Blu-Ray

COMPUTING CAPABILITY

COMPONENT	DESCRIPTION
Processor	Intel I5-8350 (8th Gen) Processor
Memory	8GB DDR4 2400 MHz Ram
Storage	Removable 512 MB SSD PCIe hard drive

PHYSICAL FEATURES

CHARACTERISTIC	MEASUREMENT
Weight	5.51 lbs (2500 grams)
Dimensions	13.8 in wide x 9.8 in deep x 1.89 in height
Display	14" High definition LED LCD w/ touchscreen and Corning Gorilla Glass
Batteries	Dual hot swap batteries
Ports	Contactless Smartcard reader (NFC), Smartcard (CAC) slot, SD card slot, HDMI port, 1 Universal Audio port 3.5 mm, 3 USB 3.1 type A port with power share, 1 USB 3.1 gen 2 type C port with power delivery, 1 Serial RS232 port, 1 Gigabit Ethernet port (RJ45)
Rugged	LED LCD w/touchscreen and Corning Gorilla Glass, Sealed keyboard, (NFC) Smartcard, (CAC) slot, SD card slot, SIM card slot, built in WiFi and Bluetooth, docking station compatible

ENVIRONMENTAL

OPERATING ENVIRONMENT
Operational, -20° to 140° F
Non-operational, -60° to 160°F
Battery Operating Temp, 0° to 140°F
Operating time on battery > 6hours, and Recharge times < 3 hours
Altitude, 12.5K feet (Operational), 30K feet non-operational



ACCESSORIES

STANDARD	OPTIONAL
<ul style="list-style-type: none"> • Wired Mouse • NATO Cable • Network Cable • Blu-Ray Player • DC Power • AC Power • Recovery Disc • Euro Power Adapter 	<ul style="list-style-type: none"> • Spare Computer Battery • PCMCIA Card Reader • IUID Reader • IUID Case • Express Card Reader • 1553 Adapter • RS232/485/422 Adapter • 400Hz Power Supply

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