

MAINTENANCE SUPPORT DEVICE MSD V4 LIGHT



MSD - THE MAINTAINER'S AMMUNITION

The Maintenance Support Device - Version 4 (MSD V4) Light 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® 7200 2-in-1 Laptop, MSD V4 Light 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 LIGHT

HIGHLIGHTS

- 2 in 1 tablet
- Portable design
- Multiple power sources
- Outdoor/Daylight Display



Photo credit U.S. Department of Defense

COMPUTING CAPABILITY

COMPONENT	DESCRIPTION
Computer	Dell Latitude 7200 Light, 2 in 1 tablet
Processor	Intel i5-8365 (8th Gen) Processor
Memory	8GB LPDDR3 2133 MHz Ram
Storage	512 MB PCIe SSD hard drive



Photo credit U.S. Department of Defense

PHYSICAL FEATURES

CHARACTERISTIC	MEASUREMENT
Weight	1.88 lbs (851 grams) w/protective case)
Dimensions	12.25 in wide x 9.0in deep x .2 in height
Display	12.3" High definition LED LCD w/ touchscreen and Corning Gorilla Glass
Ports	Contactless Smartcard reader (NFC), Smartcard (CAC) slot, Micro SD card slot, SIM card slot, 1 Universal Audio port 3.5 mm, 2 USB 3.1 gen 2 type C port with power delivery, 1 USB 3.1 type A port
Rugged	LED LCD w/touchscreen and Corning Gorilla Glass, detachable contact type keyboard, (NFC) Smartcard, (CAC) slot, SD card slot, SIM card slot, built in WiFi and Bluetooth, docking station compatible



Photo credit U.S. Department of Defense

ENVIRONMENTAL

OPERATING ENVIRONMENT
Operational, -32° to 122° F
Non-operational, -40° to 150°F
Battery Operating Temp, 32° to 122°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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