

MSD-V3 MAINTENANCE SUPPORT DEVICE - VERSION 3



FASTER, MORE POWERFUL PERFORMANCE - AS A RUGGED LAPTOP OR TABLET COMPUTER.

The MSD-V3 Type 1 is packed with technology and options that deliver faster, more powerful performance – in a new convertible laptop-to-tablet package. But don't let the small size fool you. It is still the ultra-rugged computer that you've come to expect from VT Miltope. Derived from our family of rugged laptop computers it was recently selected for the Army's At-Platform Automatic Test System (APATS) Maintenance Support Device – Version 3 program.

MSD-V3 KIT INCLUDES:

- RCLC-1 Rugged Convertible Laptop Computer (direct connect DC)
- 160 GB Solid State Removable Hard Drive
- Internal DVD+RW/CD Drive
- 10.6" Sunlight Readable MILBRITE Display
- European Power Adapter
- NATO Power Cable - optional
- AC Power Cable
- Ethernet Network Cable
- Modem Cable
- Two Li-Ion Batteries



ON POINT PROTECTION

Our Entire Company Stands Behind You



VT Miltope

A company of VT Systems

Service Elevated

SPECIFICATIONS

PROCESSOR:

Intel® Core™ 2 Duo T8400 mobile processor includes a 2.26 GHz processor, 3 MB L2 cache, 1066 MHz Front Side Bus

OPERATING SYSTEM:

Windows® 7, Red Hat® Enterprise Linux® (RHEL 5.3)

GRAPHICS:

Integrated Mobile Intel® Graphics Media Accelerator 4500MHD with 352 MB VRAM Allocation DVMT 5.0

RAM:

Up to 8 GB DDR3

STORAGE:

160 GB Removable Solid State Drive SATA (3 Gigabit/second); 16-256 GB optional

DISPLAY SYSTEM:

10.6" 1280x768 WXGA, LCD LED backlit, Sunlight Readable Touchscreen up to 100,000 lux

KEYBOARD/POINTING DEVICE:

Rugged 87 key, backlit keyboard with tactile feel, tethered stylus and mouse "stick"

INTERFACES:

One RS-232/422/485-2/4 wire SW configurable, one USB 2.0, two combo USB 2.0 / eSATA 3Gbps, Analog (VGA), one 10/100/1000 Ethernet, audio (In/Out/Mic ports), PCMCIA – 2x Type II or 1x Type III, Express Card/54, Smart Card, optional 802.11 a/b/g/n wireless; optional embedded dual 1553 or embedded second RS-232/422/485; Upgradeable EFI BIOS

PERIPHERALS:

DVD+RW/CD-RW; optional Blu-ray via Docking Station

PHYSICAL:

Dimensions 11"W x 8.5"D x 2.4"H; Weight ~7.9 lbs.

POWER:

Rugged AC adapter/charger and AC power cord enables operation from 85 - 264 VAC, 47 - 440 Hz input power, Single DR202 Form Factor Li-ion 7800 mAh rechargeable battery; optional Rugged Docking Station with embedded power adapter

DOCKING STATION (Optional):

Enables operation from 85 - 264 VAC, 47 - 440 Hz input power; DVD+RW/CD-RW, IEEE 1284 parallel port; additional USB 2.0 port and RS-232/422/485, battery

ENVIRONMENTALS

TEMPERATURE, OPERATING:

MIL-STD-810G, Methods 501.5 and 502.5, Procedure II, (-18°C to +60°C), (0°F to +140°F)

TEMPERATURE, NON-OPERATING:

MIL-STD-810G, Methods 501.5 and 502.5, Procedure I (-32°C to +71°C), (-25°F to +160°F)

SOLAR RADIATION:

MIL-STD-810G, Method 505.5, Procedure I, Diurnal Cycle A1

SHOCK, TRANSIT DROP:

MIL-STD-810G, Method 516.6, Procedure IV, Table 516.6-VI to a maximum height of 36 inches

SHOCK, FUNCTIONAL:

MIL-STD-810G, Method 516.6, Procedure I

TRANSPORTATION VIBRATION (COMPOSITE-WHEELED):

MIL-STD-810G, Method 514.6, Procedure I, Category 4, Annex C

TRANSPORTATION VIBRATION (WATERCRAFT):

MIL-STD-810G, Method 514.6, Procedure I, Category 21, Annex D

ALTITUDE:

MIL-STD-810G, Method 500.5, Procedure I (Storage) to 30,000 feet, Procedure II (Operational) to 12,500 feet

RAIN:

MIL-STD-810G, Method 506.5, Procedure I, 1.8" per hour, wind velocity 20 mph for 30 minutes per side

HUMIDITY, OPERATING and NON-OPERATING:

MIL-STD-810G, Method 507.5, Procedure II, Aggravated (per Figure 507.5-7) up to 95% Relative Humidity

SALT FOG:

MIL-STD-810G, Method 509.5, 5 ± 1% aqueous salt atmosphere while in transit case and operating shipboard

SAND AND DUST:

MIL-STD-810G, Method 510.5, Procedures I and II

SAND: Winds of 20 mph ± 3 mph per surface, concentration 2.2 ± 0.5 g/m³

DUST: Winds of 20 mph ± 3 mph per surface, concentration 10.6 ± 0.7 g/m³

FUNGUS:

MIL-STD-810G, Method 508.6

EXPLOSIVE ATMOSPHERE:

MIL-STD-810G, Method 511.5, Procedure I

EMI/EMC

RADIATED EMISSIONS:

MIL-STD-461F, RE101 Paragraph 5.16 Army curve, RE101 Paragraph 5.16 Navy curve, RE102 Paragraph 5.17 Army Helo curve, RE102 Paragraph 5.17 Navy surface ship (topside) curve

RADIATED SUSCEPTIBILITY:

MIL-STD-461F, RS103 Paragraph 5.20 Ground Limit (30 MHz to 18 GHz), RS103 Paragraph 5.20 Table VII All Ships (Above Deck) 200 V/m, RS105 Paragraph 5.21

CONDUCTED EMISSIONS:

MIL-STD-461F, CE101 Paragraph 5.4, CE102 Paragraph 5.5

CONDUCTED SUSCEPTIBILITY:

MIL-STD-461F, CS101 Paragraph 5.7, CS114 Paragraph 5.13 Table VI Ground Army and Shipboard All Ships Column, CS115 Paragraph 5.14, CS116 Paragraph 5.15

HIGH ALTITUDE ELECTROMAGNETIC PULSE (HEMP):

MIL-STD-461F, RS105 Paragraph 5.21

ELECTROMAGNETIC ENVIRONMENT:

MIL-STD-464A, Paragraph 5.3, Table 1A

ELECTROMAGNETIC RADIATION HAZARDS:

MIL-STD-464A, frequency range of 2 MHz to 18 GHz