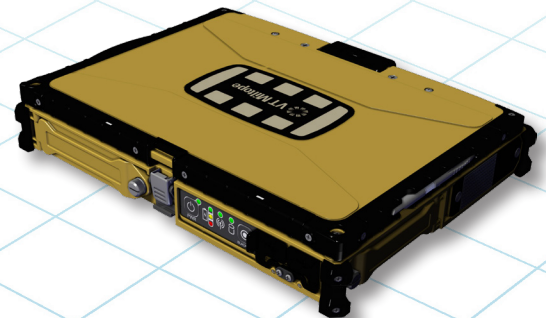


RCLC-1 Gen2 RUGGED CONVERTIBLE LAPTOP COMPUTER



The new RCLC-1 Gen2 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 design that you've come to expect from the leaders at VT Miltope, derived from our family of rugged laptop computers that have served three generations of US Army users.



RCLC-1 Features and Functions:

- Lightweight laptop-to-tablet form factor
- Features Intel® i3-6100U (optional i5-7300U or i7-7600U) processor
- 10.1" 1280x800 WXGA, LED backlit LCD backlit
- 10-point multi-touch touch screen
- Faster, more powerful performance in a rugged portable computing system for military tactical operations
- Industry leading five-year warranty



ON POINT PROTECTION

Our Entire Company Stands Behind You



VT Miltope

A company of VT Systems

Service Elevated

SPECIFICATIONS

PROCESSOR:

6th Gen Intel® Core™ i3-6100U, 2-Core, 2.3GHz processor with turboboost 2.0 (optional i5-7300U 3.5GHz or i7-7600U 3.9 GHz)

OPERATING SYSTEM:

Windows® 10

RAM:

8 GB DDR4, optional 16 GB DDR4

GRAPHICS:

Intel® HD Graphics 520 (620 graphics with i5-7300U or i7-7600U options)

STORAGE:

512 GB Removable Solid State Drive SATA III, 256GB - 2TB optional

DISPLAY SYSTEM:

10.1" 1280x800 WXGA, LCD LED backlit, Sunlight Readable 10-point multi-touch Touchscreen up to 75,000 lux

KEYBOARD/POINTING DEVICE:

Rugged 82 key, backlit keyboard with tactile feel, tethered stylus and touch pad

INTERFACES:

Three (3x) USB 3.0

Audio (1X) In/Out/Mic port

One (1x) Gigabit Ethernet

One (1x) Type-A HDMI

One (1x) Smart Card (CAC)

One (1x) 802.11 a/b/g/n wireless

PHYSICAL:

Dimensions 11.4"W x 8.9"D x 1.9"H; Weight ~6.0 lbs

POWER:

Rugged AC adapter and AC power cord enables operation from 85 - 264VAC, 47 - 440 Hz input power, Single DR202 Form Factor Li-ion 5900 mAh rechargeable battery

ENVIRONMENTALS

TEMPERATURE, OPERATING:

MIL-STD-810G w/Change 1, Methods 501.6 and 502.6, Procedure II, (-18°C to +60°C). (0°F to +140°F)

TEMPERATURE, NON-OPERATING:

MIL-STD-810G w/Change 1, Methods 501.6 and 502.6, Procedure I, (-32°C to +71°C). (-25°F to +160°F)

SOLAR RADIATION:

MIL-STD-810G w/Change 1, Method 505.6, Procedure I, Diurnal Cycle A1

SHOCK, TRANSIT DROP:

MIL-STD-810G w/Change 1, Method 516.7, Procedure IV to a maximum height of 48 inches (72 inches in transit case)

SHOCK, FUNCTIONAL:

MIL-STD-810G w/Change 1, Method 516.7, Procedure I

TRANSPORTATION VIBRATION (COMPOSITE-WHEELED):

MIL-STD-810G w/Change 1, Method 514.7, Procedure I. Category 4, Annex C

ALTITUDE:

MIL-STD-810G w/Change 1, Method 500.6, Procedure I (Storage) to 30,000 feet, Procedure II (Operational) to 15,000 feet

RAIN:

MIL-STD-810G w/Change 1, Method 506.6, Procedure I, 1.8" per hour, wind velocity 20 mph for 30 minutes per side

HUMIDITY, OPERATING and NON-OPERATING:

MIL-STD-810G w/Change 1, Method 507.6, Procedure II, Aggravated Cycle per Figure 507.6-7 up to 95% Relative Humidity

SALT FOG:

MIL-STD-810G w/Change 1, Method 509.6, 5% ±1% aqueous salt atmosphere while in transit case and operating shipboard

SAND AND DUST:

MIL-STD-810G w/Change 1, Method 510.6, 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 w/Change 1, Method 508.7

EXPLOSIVE ATMOSPHERE:

MIL-STD-810G, Method 511.6, Procedure I

EMI/EMC

RADIATED EMISSIONS:

RE101: MIL-STD-461G, Paragraph 5.17, 30Hz to 100kHz, RE101 limit for all Army applications

RE102: MIL-STD-461G, Paragraph 5.18, 10kHz to 18GHz, RE102-3 fixed wing external and helicopter curve

RADIATED SUSCEPTIBILITY:

RS103: MIL-STD-461G, Paragraph 5.21, 2MHz to 18GHz, Table XI, Army Ground

RS105: MIL-STD-461G, Paragraph 5.22, Figure RS105-1 "limit for all applications"

CONDUCTED EMISSIONS:

CE101: MIL-STD-461G, Paragraph 5.4, 30Hz to 10kHz, Figure CE101-4

CE102: MIL-STD-461G, Paragraph 5.5, 10kHz to 10MHz, Figure CE102.1

CONDUCTED SUSCEPTIBILITY:

CS101: MIL-STD-461G, Paragraph 5.7, 30Hz to 150kHz, Figure CS101-2, "CS101 voltage limit for all applications"

CS114: MIL-STD-461G, Paragraph 5.12, 10kHz to 200MHz, Table VI Army Ground, Figure CS114-1

CS115: MIL-STD-461G, Paragraph 5.13, Figure CS115-1, "limit for all applications"

CS116: MIL-STD-461G, Paragraph 5.14, 10kHz to 100MHz, Figure CS116-1 and 2, "limit for all applications"

HIGH ALTITUDE ELECTROMAGNETIC PULSE (HEMP):

MIL-STD-461G, Paragraph 5.22, Figure RS105-1, "limit for all applications"

ELECTROSTATIC DISCHARGE:

MIL-STD-464C, Paragraph 5.8.3 - Ordnance subsystems, 25KV

ELECTROMAGNETIC RADIATION HAZARDS:

MIL-STD-464C, Paragraphs 5.9.1 - HERP, 5.9.2 HERF, and 5.9.3 HERO