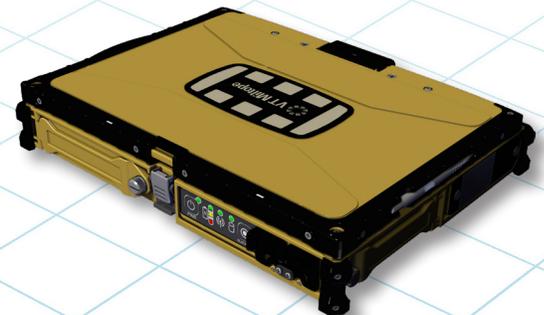


# RCLC-1 Gen2 RUGGED CONVERTIBLE LAPTOP COMPUTER



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/m<sup>3</sup>

**DUST:** Winds of 20 mph ± 3 mph per surface, concentration 10.6 ± 0.7 g/m<sup>3</sup>

#### 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