



R13S

COMBAT-READY, 13" FULLY-RUGGED NOTEBOOK

R13S, the ultra-rugged notebook is designed for users work in the most extreme environments. With MIL-810G and IP65 certification, it can operate under the most vigorous condition; from searching desert to freezing terrains and from stealth mission to the heart of combat zone. It also packs Intel® 6th Generation Skylake-U CPU to run the most demanding tasks. With TPM, quick HDD release function and fingerprint scanner, R13S offers the undisputed security for data protection.

EXTREMELY RUGGED FEATURES

R13S is IP65 and MIL-STD 810G certified. It is built with high quality of magnesium alloy that guarantees to perform. It can work at 15,000 feet in the air, extremely temperature of -30°C to $+60^{\circ}\text{C}$, under the 40 G shock or 26 drops from 6 feet.

Secured Dual Battery Lock

The lock prevents the battery from disengaging during vigorous vibration to ensure without interruption at any critical task.

LONG BATTERY LIFE

Fast charge

R13S can quick-charge its High-Capacity, 9-cell Smart Battery Pack for up to 90% of the capacity within merely 3 hours.

Hot Swap

Equipped with quick release and hot swappable function, the second battery can further extends the battery life from 13.5 hours to 19 hours.



STEALTH MODE

DURABOOK's unique Stealth Mode can be applied in special mission such as stakeout operation and raids. One click immediately turns off all sounds and emitting lights while all programs remain running in the background.

EXCEPTIONAL OUTDOOR DISPLAY

Equipped with a 13.3" TFT LCD (1024 x 768) screen at 950 nits with sunlight readable resistive touch panel, R13S offers excellent screen viewing even under direct sunlight.

SUPERIOR SECURITY

To protect against unauthorized access to protected data, R13S is equipped with various devices of secured tools.

- ✔ Trusted Platform Module (TPM) chip
- ✔ Biometric Fingerprint Scanner
- ✔ Quick Release HDD : It allows for less than 5-second ejection of disk drive in a situation when protecting valuable data.

Specifications

EXTREME Environment	<p>Gunfire Shock MIL-STD 810G Method 519.6, Annex D, Table 519.6D-I</p> <p>Hazardous Shock MIL-STD 810G Method 516.6 Procedure V, 75G's @ 8ms, 3 shocks/axis/direction, total 18 shocks</p> <p>Helicopter Integrity MIL-STD 810G, Method 514.6, Procedure I, Category 24, Fig. 514.6E-2</p> <p>Blowing Rain MIL-STD 810G, Method 506.5, Procedure II, 30 Minutes, 70MPH</p> <p>Blowing Dust MIL-STD 810G, Method 510.5 Procedure I, Air Flow 1725 FPM, (23°C~60°C for 12 hours)</p> <p>Explosive Atmosphere MIL-STD 810G Method 511.5, Procedure I</p> <p>Freeze Thaw MIL-STD 810G, Method 524, Procedure III</p> <p>Acidic Atmosphere MIL-STD 810G, Method 518.1</p> <p>Solar Radiation MIL-STD 810G, Method 505.5, Procedure II</p> <p>Salt Fog MIL-STD 810G, Method 509.5</p> <p>Military EMC MIL-STD 461F Level II (with MIL-STD 461F adaptor)</p>
IP65	<p>IPx5 IEC 529 (EN6052)</p> <p>IP6X IEC 529 (EN60529)</p>
Rugged Features	<p>Drop MIL-STD 810G 516.6 Procedure IV, 26 drops from 6 feet height onto plywood over concrete</p> <p>Vibration General Integrity MIL-STD 810G, Method 514.6, Procedure I, Category 24, Fig. 514.6E-1</p> <p>Vibration Truck Transport ASTM 4169, 11.5.2 Random test, Assurance Level II</p> <p>Functional Shock MIL-STD 810G Method 516.6 Procedure I40G's @ 11ms, 3 shocks/axis/direction 18 total shocks</p> <p>Rain Test MIL-STD 810G, Method 506.4, Procedure II, 40 PSIG, min 6 axis, 4 in/hour</p> <p>Temperature Shock MIL-STD810G, Method 503.5, Procedure I-C,3 cycles</p>
Environment	<ul style="list-style-type: none"> ■ Temperature Operating : -30°C ~ 60°C² MIL-STD 810G 501.5 Procedure II Storage : -51°C ~ 71°C MIL-STD 810G 501.5/502.5 Procedure I ■ Humidity Operating : 5% ~ 95% ■ Altitude Operating : 15,000 feet MIL-STD 810G 500.5 Procedure II Non Operating : 40,000 feet MIL-STD 810G 500.5 Procedure I

Operating System	■ Genuine Windows 10 Professional ¹
CPU	■ Intel® 6th Generation skylake-U
Display	<ul style="list-style-type: none"> ■ 13.3" XGA(1024x768) TFT LCD ■ Single resistive Touch Panel ■ Sunlight Readable 950 nits Display
Memory	■ Two DDR4 sockets (Max. 32GB)
Storage	■ 2.5" SATA HDD or SSD
Optical Disk Drive	■ DVD Super Multi
Keyboard	■ Illuminated keyboard with adjustable brightness
Audio	<ul style="list-style-type: none"> ■ Intel® High Definition Audio ■ 1.5KHz Speaker x 2 / 75dB ■ Analog Microphone
Communication	<ul style="list-style-type: none"> ■ Two 10/100/1000 Mbps Ethernet ■ Intel® Dual Band Wireless AC8260 (a/b/g/n/AC) & Bluetooth 4.2¹ ■ LTE WWAN¹ ■ GPS¹ (UBLOX-NEO-M8N)
Security	<ul style="list-style-type: none"> ■ Smart Card Reader¹ ■ Fingerprint Scanner¹ ■ Computrace® Ready ■ Intel® vPro ■ TPM 2.0 ■ Kensington Lock ■ Stealth Mode ■ Quick Release HDD
Button	<ul style="list-style-type: none"> ■ Power ■ RF ON / OFF ■ Programmable button x1
Expansion Slots	<ul style="list-style-type: none"> ■ One Smart Card Reader¹ ■ One Express Card 54¹ or PCMCIA ■ One SD Card supports SDXC card
I/O Ports	<ul style="list-style-type: none"> ■ Two USB2.0 ■ One USB3.0 ■ One headphone jack ■ One microphone jack ■ Two RJ-45 ■ One VGA port or HDMI or Second RS232 ■ One RS232 port ■ One Docking connector ■ Three RF pass through for WLAN and GPS and WWAN
Battery	<ul style="list-style-type: none"> ■ Primary 9-Cells 7800 mAh : 13.5hrs (with SSD)³ ■ 6-Cells 3800mAh^{1,4} : 5.5 hrs
AC Adaptor	■ 100V - 240V; 90W
Dimension	■ 306 mm (W) x 294 mm (D) x 58 ~ 65 mm (H)
Weight	■ 3.6 Kg / 7.9 lbs ⁵

Accessories



➤ Vehicle Dock



➤ Office Dock



➤ Car Adaptor

1. Optional items
2. With extended temperature SSD or HDD heater
3. Mobile Mark Life Test Method (Battery life may vary with product configurations, settings, usage patterns and operating environment.) / (11.5hrs with HDD)
4. 6 cell battery pack is mutually exclusive with Optical Disk Drive
5. Actual weight may vary with different configurations

