

Specification

Rugged Features	<ul style="list-style-type: none"> • IP53¹ • Drop MIL-STD 810G 516.6 Procedure IV, 26 drops from 3 feet height onto plywood over concrete • Vibration MIL-STD 810G 514.6 AnnexC Cat.4, Fig 514.6C-1 ASTM 4169-08 Truck Transport, 11.5.2 Random test Assurance Level II • Magnesium Alloy Chassis 	Security	<ul style="list-style-type: none"> • Smart Card Reader • Computrace® Ready • Intel® vPro • TPM 1.2 • Fingerprint Scanner • Kensington Lock • Stealth Mode • Quick Release HDD
Environment	<ul style="list-style-type: none"> • Temperature Operating: -20°C~ 50°C⁵ Storage: -40°C~ 71°C • 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 	Keyboard & Buttons	<ul style="list-style-type: none"> • Power ON / OFF button • RF ON / OFF button • Quick Setting Control button • One Programmable button • One Stealth or Night Vision Mode button • Backlit Keyboard²
Operating System	<ul style="list-style-type: none"> • Genuine Windows 7 Professional² • Genuine Windows 8 Professional² 	Expansion Slots	<ul style="list-style-type: none"> • One PCMCIA Type II slot • One SD card reader slot (SDHC) • One Smart Card Reader • One Express Card 54 slot^{2,7}
CPU	<ul style="list-style-type: none"> • Intel® Core™ i5 or i7 	I/O Ports	<ul style="list-style-type: none"> • Two USB2.0 • Two USB3.0 • One headphone jack • One microphone jack • One RJ-45 • Second RJ-45² • One HDMI type A connector • One VGA port • One RS232 port • One DC-In • Docking connector²
Memory	<ul style="list-style-type: none"> • Two DDR3 sockets (Max. 16GB) 	Battery	<ul style="list-style-type: none"> • Two Hot-Swap Li-ion battery packs² • Primary 9-Cell 7800 mAh battery pack: 7 hrs³ • Secondary 6-Cell 5200 mAh battery pack: 5 hrs^{2,3,8} • Providing up to 12 hrs with two batteries³
Storage	<ul style="list-style-type: none"> • 2.5" SATA HDD 500/750 GB • mSATA SSD 32~128 GB² 	AC Adaptor	<ul style="list-style-type: none"> • 110V - 240V; 90W
Multimedia Bay	<ul style="list-style-type: none"> • DVD Super Multi • Blu-Ray disk drive² 	Dimension	<ul style="list-style-type: none"> • 342 mm (L) x 245 mm (W) x 47 mm (H)
Display	<ul style="list-style-type: none"> • 14.0" HD (1366x768) TFT LCD • Resistive Touch Panel² • Sunlight Readable 500 nits Display² • Night Vision Mode⁶ 	Weight	<ul style="list-style-type: none"> • 3.4 Kg/7.48 lbs³ (with 9-cell battery and 2.5" SATA HDD)
Graphic	<ul style="list-style-type: none"> • AMD Radeon™ E6760 with 1GB GDDR5² 	Communication	<ul style="list-style-type: none"> • One 10/100/1000 Mbps Ethernet • Second 10/100/1000 Mbps Ethernet² • Intel® Centrino® Wireless-N 6235 (802.11 a/b/g/n) • Bluetooth 4.0 • Gobi 3000 or LTE WWAN² • GPS²
Audio	<ul style="list-style-type: none"> • Intel High Definition Audio • 1.5KHz Speaker x 1 / 90db • Microphone x 2 for Mic. Array 	Camera	<ul style="list-style-type: none"> • 1.3 Mega-pixel Web-Cam

- 1 Pass all function tests after performing IP5x testing with Talcum Powder for 8 hrs
 2 Optional items
 3 Battery Mark 4.0.1 Life Test Method (Battery life may vary with the product configuration, settings, usage patterns, and operating environment.)
 4 Actual weight may vary with different configurations

- 5 With extended temperature mSATA
 6 Available with Sunlight Readable Display
 7 Mutually exclusive with Smart Card Reader
 8 Mutually exclusive with standard 2.5" SATA HDD

Accessories



Car Adapter

- DC-in: 12V-24V, 65W
- DC-out: 19V



Battery Charger



6-Cell Battery

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DURABOOK

Prepared for the Unexpected



SA14

14" High Performance Rugged Laptop

Robust Features

- IP53 for dust/water resistance
- MIL-STD 810G protection against vibration, drop and shock
- Wide operating temperature: -20°C ~ 50°C (with extended temperature mSATA)
- Wide temperature storage: -40°C ~ 71°C
- Operating humidity: 5% ~ 95%
- Magnesium alloy chassis



Backlit Keyboard

SA14 comes with optional waterproof backlit keyboard for ease of operation in low light condition.

Stealth Mode

The exclusively designed Stealth Mode can be used in special missions such as stakeout operation. With a quick press of button, Stealth Mode immediately turns off all sounds and emitting lights including LCD, LED indicators, and backlit keyboard while all programs remain running in the background.



Night Vision Mode

Night Vision Mode is standard when equipped with Sunlight Readable LCD. The Night Vision Mode complies with NVIS Type I Class A requirement for brightness and chromaticity. Night Vision Mode can be switched On/Off with a quick button.



Multi-Function Bay 1 – High Performance Graphics Processing Unit

With demand for higher graphics performance, SA14 offers superior 35W AMD Radeon E6760 GPU with 1GB GDDR5 for unmatched graphics performance in rugged laptop. The Multi-Function Bay comes with the option of switching between using the AMD Radeon E6760 GPU or Optical Disk Drive.



Multi-Function Bay 2 – Hot Swappable Second Battery

SA14 is designed with an optional 6-cell battery that runs for more than 12 hours when paired with the primary 9-cell battery. The two battery packs enable the Hot-Swappable feature and further extends the operating hours. The second 6-cell battery is compatible with mSATA storage device. When using the 6-cell battery, the standard 2.5" SATA HDD is replaced by the mSATA storage device.



Display Feature

14" HD Widescreen Display

SA14 is equipped with 14 inch TFT LCD (1366 x 768) with Anti-Glare Coating Glass for exceptional visual performance.

Sunlight Readable Display

With circular polarizer, anti-reflective coating and enhanced 500nits brightness, SA14 provides excellent LCD display even in ultra-bright, direct sunlight.



Wireless Connectivity

- Ultrafast LTE module enhances the WWAN data transmission speed
- Intel® Centrino® Advanced-N 6235 delivers premium WiFi performance (WLAN 802.11 a/b/g/n)
- Bluetooth 4.0 Class 1 technology delivers long distance transmission with low-energy and low-latency
- WWAN Gobi 3000
- Global Positioning System (GPS)

Advanced Security and Management Technologies

- Intel® vPro™
- Computrace® Ready
- Biometric Fingerprint Scanner
- Smart Card Reader
- TPM1.2

DURABOOK QSC

DURABOOK Quick Setting Control provides One-Key quick setting to all of your most frequently used functions:

- System Information
- On/Off for WLAN, WWAN, Bluetooth, and GPS
- Programmable button setting
- Indicator for BIOS/EC version
- Stealth Mode / Night Vision Mode setting