Specification

Rugged Features	• IP53[1]
	• 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	• Smart Card Reader
				• Computrace® Ready
				• Intel® vPro
				• TPM 1.2
				• Fingerprint Scanner
				• Kensington Lock
				• Stealth Mode
				• Quick Release HDD

Environment	• Temperature
	  Operating: -20°C~ 50°C[5]
	  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	• Power ON / OFF button
				• RF ON / OFF button
				• Quick Setting Control button
				• One Programmable button
				• One Stealth or Night Vision Mode button
				• Backlit Keyboard[7]

Operating System	• Genuine Windows 7 Professional[2] • Genuine Windows 8 Professional[2]		Expansion Slots	• One PCMCIA Type II slot • One SD card reader slot (SDHC) • One Smart Card Reader • One Express Card 54 slot[2,7]
CPU	• Intel® Core™ i5 or i7		I/O Ports	• Two USB2.0 • Two USB3.0 • One headphone jack • One microphone jack • One RJ-45 • Second RJ-45[2] • One HDMI type A connector • One VGA port • One RS232 port • One DC-In • Docking connector[2]
Memory	• Two DDRIII sockets (Max. 16GB)			
Storage	• 2.5" SATA HDD 500/750 GB • mSATA SSD 32~128 GB[2]			
Multimedia Bay	• DVD Super Multi • Blu-Ray disk drive[2]			
Display	• 14.0" HD (1366x768) TFT LCD • Resistive Touch Panel[2] • Sunlight Readable 500 nits Display[2] • Night Vision Mode[6]			
Graphic	• AMD Radeon™ E6760 with 1GB GDDR5[2]		Battery	• Two Hot-Swap Li-ion battery packs[2] • Primary 9-Cell 7800 mAh battery pack: 7 hrs[3] • Secondary 6-Cell 5200 mAh battery pack:5 hrs[2,3,8] • Providing up to 12 hrs with two batteries[3]
Audio	• Intel High Definition Audio • 1.5KHz Speaker x 1 / 90db • Microphone x 2 for Mic. Array		AC Adaptor	• 110V - 240V; 90W
Camera	• 1.3 Mega-pixel Web-Cam		Dimension	• 342 mm (L.) x 245 mm (W) x 47 mm (H)
Communication	• One 10/100/1000 Mbps Ethernet • Second 10/100/1000 Mbps Ethernet[2] • Intel® Centrino® Wireless-N 6235 (802.11 a/b/g/n) • Bluetooth 4.0 • Gobi 3000 or LTE WWAN[2] • GPS[2]		Weight	• 3.4 Kg/7.48 lbs[3] (with 9-cell battery and 2.5" SATA HDD)

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

DURABOOK
Prepared for the Unexpected

SA14

14" High Performance Rugged Laptop

www.durabook.com

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.
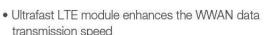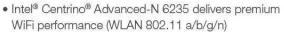
Sunlight Readable Display

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