



SA14

Ideal® All-Purpose 14" Semi-Rugged Laptop

The SA14 is a Semi-Rugged Laptop with great versatility. It is perfectly designed for ALL Mobile Professionals who need a tough and durable laptop. The superior display functions of sunlight readable and night vision mode can adapt it to any illuminant. With a 14" HD LED display, Windows® 10 and Intel® 7th generation Kabylake-U CPU, it performs as a workstation and offers completed connectivity; SA14 represents an excellent value of full-function Semi-Rugged Laptop.

Advanced Display

SA14 is equipped with 14 inch TFT LCD (1366 x 768) with Anti-Glare Coating Glass to bring exceptional visual performance. With enhanced 500 nits brightness, SA14 provides excellent Sunlight Readable LCD display even under direct sunlight. Night Vision Mode is standard with Sunlight Readable LCD. It complies with NVIS Type I Class A for brightness and chromaticity.

High Performance Graphics Processing Unit

SA14 offers Intel® HD Graphics 620 or optional NVIDIA MXM module with dedicated 4GB Graphics. (either ODD or MXM)

Rugged Features

SA14 is IP53 and MIL-STD 810G certified. It is built with high quality of magnesium alloy that guarantees to perform. It works at 15,000 feet in the air, extremely temperature of -20°F to 140°F, storage in -40°F to 160°F, or 26 drops from 3 feet.

Backlit Keyboard

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

Advanced Security

- ✔ Computrace® Ready
- ✔ Biometric Fingerprint Scanner
- ✔ TPM 2.0
- ✔ Intel® vPro™
- ✔ Exclusive HDD Quick Release Feature

Stealth Mode

Stealth Mode is needed in special mission such as stakeout operation. With a quick button, it immediately turns off all sounds and emitting lights while all programs remain running in the background.

Specifications

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 D4169-08 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® vPro² ■ TPM 2.0 ■ Fingerprint Scanner ■ Kensington Lock
Environment	<ul style="list-style-type: none"> ■ Temperature Operating : - 20°F ~ 140°F⁶ Storage : - 40°F ~ 160°F ■ 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	<ul style="list-style-type: none"> ■ 86 US Keys with Windows Key ■ Backlit Keyboard² ■ Standard touchpad with 2 buttons
CPU & Operating System	<ul style="list-style-type: none"> ■ Windows® 10 Pro - Intel Core i5-7200U, 3MB cache, 2.5GHz Processor - Intel Core i7-7500U, 4MB cache, 2.7GHz Processor - Intel Core i7-7600U with vPro, 4MB cache, 2.8GHz Processor ■ Windows® 10 Pro with Windows® 7 Pro Downgrade² - Intel Core i5-6200U, 3MB cache, 2.3GHz Processor - Intel Core i7-6500U, 4MB cache, 2.5GHz Processor 	Expansion Slots	<ul style="list-style-type: none"> ■ SD card reader slot (SDXC) ■ Smart Card Reader ■ PCMCIA Slot or Express Card 54^{2,5}
Memory	<ul style="list-style-type: none"> ■ Two 204-pin DDR4 SODIMM sockets each for 8GB, 16GB; up to 32GB. 	I/O Ports	<ul style="list-style-type: none"> ■ One USB 3.0 connector ■ One USB3.0 and eSATA combo connector ■ Two USB 2.0 connectors ■ One RJ-45 ■ One Headphone / Mic-in jack ■ One 15 pin D-sub VGA out ■ One 19 pin Type A HDMI ■ One 9 pin D-sub RS232 serial port ■ Dual RF Pass-thru connectors (WWAN/GPS) ■ Docking Connector²
Storage	<ul style="list-style-type: none"> ■ 2.5" SATA HDD 500GB/1TB or SSD 128GB~1TB ■ Exclusive HDD quick-release feature. 	Power	<ul style="list-style-type: none"> ■ Primary 9 cells 7800 mAh Li-Ion Battery pack : up to 14 hrs.⁷ ■ 19V, 3.42A; 65W (90W for MXM unit)
Multimedia Bay	<ul style="list-style-type: none"> ■ Super Multi DVD-RW Drive⁸ 	Dimension & Weight	<ul style="list-style-type: none"> ■ 13.46" (L) x 11.1" (W) x 1.85" (H) ■ 7.48 lbs / 3.4 Kg³ (with 9-cell battery and 2.5" SATA HDD)
Display	<ul style="list-style-type: none"> ■ 14.0" HD(1366 x 768) TFT LCD ■ 500 nits brightness Touch Sunlight Readable panel² ■ Night Vision Mode⁴ 	Certifications	<ul style="list-style-type: none"> ■ US: FCC, DOC+ FCC ID ■ EU: CE
Graphic	<ul style="list-style-type: none"> ■ Intel HD Graphics 620 (520 on i5-6200U and i7-6500U models) ■ NVIDIA® GeForce® GTX® 1050 MXM^{2,8} 	Green Design	<ul style="list-style-type: none"> ■ RoHS/REACH compliant, EPEAT compliant
Audio	<ul style="list-style-type: none"> ■ High Definition Audio ■ Speaker x 1 ■ Microphone Array 	Accessories	<ul style="list-style-type: none"> ■ Office Dock ■ PMT Vehicle Dock ■ PMT Vehicle Dock with Dual RF Pass-Thru(WWAN/GPS) ■ Battery Charger
Webcam	<ul style="list-style-type: none"> ■ 2.0 Mega-pixel Webcam 	Warranty	<ul style="list-style-type: none"> ■ 3-Year DURABOOK Standard Limited Warranty Coverage
Communication	<ul style="list-style-type: none"> ■ Integrated Gigabit Ethernet LAN, 2nd LAN available² ■ Intel® Dual Band Wireless AC8260 (a/b/g/n/ac) ■ Bluetooth 4.2 ■ Gobi 5000 LTE² ■ GPS²(UBLOX-NEO-M8N) 		

1. Pass all function test after performing IP53 testing with Talcum Powder for 8 hrs.

2. Optional items.

3. Actual weight may vary with different configurations.

4. Available with Sunlight Readable Display.

5. Mutually exclusive with Express Card 54 and PCMCIA.

6. Tested with extended temperature grade SSD.

7. Battery performance can vary according to the conditions and factors.

8. Mutually exclusive with ODD and MXM. Available on 7th Gen CPU only.



Office Dock

