

DURABOOK

Prepared for the Unexpected



U14M - S15C



Sunlight readable LCD



Resistive Touch



Smart Card Reader



Fingerprint scanner



TPM



Dual HDD



RS232



Drop



Spill



Vibration



GPS



3G

Feature Highlights

LCD

■ Resistive Touch Screen



Durabook™ uses most advance Resistive Touch Technology to provide mobile users with flexibility and convenience to fit your specific application. Durabook™ Resistive Touch Screen accommodates gloved-finger operations.



■ Sunlight Readable



Durabook™ deploys the most advance and creative Sunlight Readable technology solutions for the unparalleled results. Durabook™ Sunlight Readable solution incorporates Anti-Reflection technology as well as enhanced brightness LED backlight to achieve superior sunlight readability. Durabook™ enables sunlight readability with power consumption in mind to offer users with the most operating time under the Sun.



■ LCD Impact Protection

Durabook™ specially designed an LCD to withstand pressure from a force of 3kg over 1cm². This special feature adds ruggedness and durability to the LCD and further sets Durabook™ apart from the rest.

Security

■ Fingerprint Scanner



Fingerprint scanner security feature enables user to safeguard sensitive information biometrically and prevents unauthorized access.



■ Dual HDD



Durabook™ offers the unique Dual HDD option for extra storage space or for RAID backup on your rugged mobile notebook device. RAID enabled simultaneous data backup allows for fault tolerance in extremely critical data security applications.

■ TPM



Trusted Platform Module (TPM) security option defends against hard-drive removal data-leak. This must-have security feature comes standard on all Durabook™ products.

■ Smart Card Reader



Durabook™ offers the unique secure identification verification tool to safeguard sensitive data and provide levels of secure access to with Smart Card identification.



Design and Features

Durabook™ notebooks has passed US Military Standard MIL - STD 810G drop and vibration tests. These tests ensure that Durabook™ products are up to the challenges of demanding usages for your intended application and environment.

■ Magnesium Alloy Case

Each Durabook™ is built with magnesium alloy case that is 20-times stronger than ABS plastic to assure superior resistant from exterior impact like bumps, drops and knocks.



■ Shock-resistant LCD

Prevent damage to the costly LCD display. Internal dampers prevent damage by absorbing shock and sudden impact.



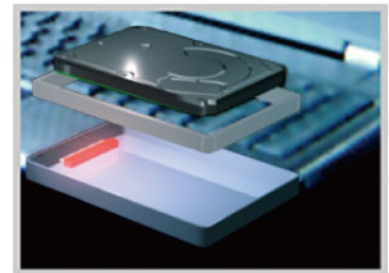
■ Optical Drive Lock

Durabook™ offers exclusive, proprietary optical drive lock design to help ensure your CD/DVD drive will not eject during drop or vibration. This unique feature protects the optical disk from damages, scratches and intermittent read-drive skipping.



■ Shock-mounted Hard Disk Drive

All Durabook hard disk drives are mounted in shock-absorbing polymer compounds insulating the HDD from vibration and shock while protecting your mission critical data.



■ Overhead Keyboard Light

For working under minimal lighting, the Durabook™ Overhead Keyboard LED provides the convenient illumination to dark surroundings.



■ Battery Protection


Durabook employs Double protection smart battery circuitry to prevent damage caused by current or voltage surges and overheating.

■ Rubber-Covered IO Ports


Durabook™ designed rubber-covers to protect the IO ports for minor dust and spillage. This simple solution gives Durabook™ customers worry free and peace of mind in the mobile world.



■ GPS

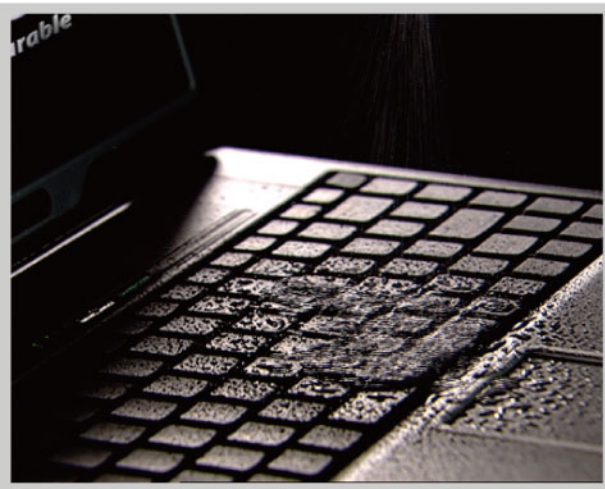
 For the on-the-road and off-the-road users, Durabook™ offers cost effective integrated GPS option for accurate location tracking and to give users the geo-location peace of mind.

■ 3G

 Durabook™ 3G keeps you connected wherever you go. With 3G option enabled, the mobile user is able to access work email and enjoy all the benefits of being connected to the internet.

■ Graphic Engine nVidia N11M GE2-S

S15C optional discrete graphic nVidia N11M GE2-S with 512MB DDRIII VRAM boosts the graphic processing power for special applications like Geographic Information System.



■ Waterproof Fingerprint Scanner

With great attention to details, the Durabook™ fingerprint scanner provides comprehensive peace of mind from water ingestion.

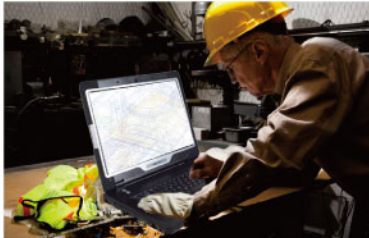
■ Waterproof Keyboard

Durabook™ keyboards are specially designed to withstand water soak and is capable of functioning even under spillages.

■ Waterproof Touchpad

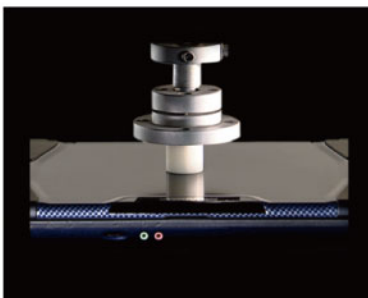
Durabook™ designed the waterproof touchpad to truly protect from water spillage and to ensure that all input devices are capable of function under real world conditions.

Applied Applications

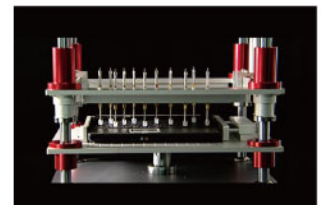


- Government
- Military
- Education
- Field Service/Utility
- Emergency
- Police
- Healthcare
- Transportation

Quality Excellence



At Twinhead total quality assurance is achieved through high standard processes, with a special emphasis on the small details that foster customer satisfaction. Twinhead maintains state-of-the-art testing facilities with industry leading test equipments to challenge Durabook™ machines in extended real world conditions.



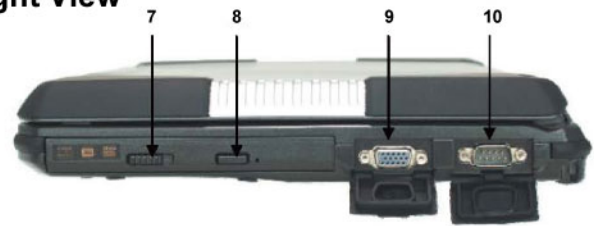
Twinhead's quality assurance program focuses on clear reliability standards, compatibility testing, and production progress control to ensure Durabook™ products are prepared for live rugged environments to exceed customer satisfaction in field performances.

U14M

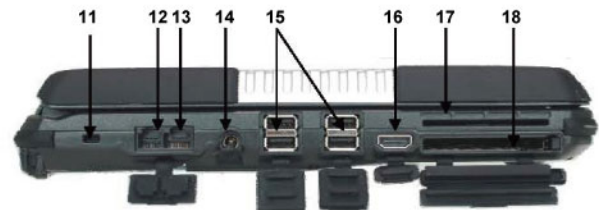
Front View



Right View



Left View



- 1. Web CAM
- 2. LED overhead light
- 3. Finger print scanner
- 4. Microphone-in jack
- 5. Audio-out jack
- 6. MS Pro/MS/MMC/SD 4-in-1 Card reader slot

- 7. Optical drive lock
- 8. Disk ejection button
- 9. VGA out
- 10. D-sub serial port
- 11. Kensington Lock
- 12. Fax/modem RJ-11 jack

- 13. LAN RJ-45 jack
- 14. DC-in jack
- 15. USB 2.0 ports
- 16. HDMI port
- 17. Smart card slot
- 18. PCMCIA card slot

S15C

Front View



Right View



Left View



- 1. Web CAM
- 2. SIM card door
- 3. MS Pro/MS/MMC/SD 4-in-1 Card reader slot
- 4. IEEE 1394 port
- 5. D-sub serial port

- 6. USB 2.0 port
- 7. Optical drive lock
- 8. Disk ejection button
- 9. Fax/modem RJ-11 jack
- 10. LAN RJ-45 jack
- 11. DC-in jack

- 12. VGA out
- 13. USB 2.0 ports
- 14. Audio-out jack
- 15. Microphone-in jack
- 16. Smart card slot
- 17. Express 54/34 card slot



Rugged Features	U14M	S15C
Drop	MIL-STD-810G 2.5 feet ¹	MIL-STD-810G 2.5 feet ¹
Shock & Vibration	MIL-STD-810G ²	MIL-STD-810G ²
Waterproof Keyboard	●	●
Waterproof Touchpad & Buttons	●	●
Waterproof Fingerprint Scanner	●	-
I/O Dust Covers	●	-
System		
Platform	Intel Montevina	Intel Calpella
Chipset	Intel® GM45	Intel® HM55
Magnesium Alloy Chassis	●	●
Display	14.0" HD	15.6" HD
Resistive Touch Screen	◎	◎
Sunlight Readable LCD	◎	◎
Memory / Sockets	DDRII / 2	DDRIII / 2
Graphic Controller - Standard	Intel® GM45 Integrated	Intel® HM55 Integrated
Graphic Controller - Optional	-	nVidia N11M GE2-S 512MB DDRIII VRAM
Hard Disk Drive	2.5" SATA	2.5" SATA
Dual Hard Disk Drive	◎	-
1.3Mega-pixel Webcam	◎	◎
Overhead Keyboard Light	●	-
Operating System	Windows 7 Pro	Windows 7 Pro
I/O Interface		
Express Card Slot	-	●
PCMCIA Slot	●	-
4 in 1 Memory Card	●	●
Smart Card Reader	●	●
USB 2.0	x4	x3
Audio / Mic & Speaker	●	●
RJ11	●	●
RJ45	10/100/1000M	10/100/1000M
IEEE 1394	-	●
HDMI	●	-
VGA port	●	●
Serial port	●	●
COM & Parallel Port Cable	◎	-
Communication		
WLAN	◎	◎
Bluetooth (EDR 2.1)	◎	◎
GPS / WWAN	GPS or HSDPA/EVDO	GOBI 2000 GPS & HSDPA/EVDO
Security		
Kensington Lock	●	●
TPM	●	●
Waterproof Fingerprint Scanner	●	-
Battery		
Standard	6 Cells / 3.5hrs	6 Cells / 3.5hrs
Option	9 Cells / 5hrs	9 Cells / 5hrs
Dimension & Weight		
Dimensions (mm) WxDxH	352 x 256 x 37 ~ 41	370 x 276 x 37.5 ~ 40
Weight	2.7 Kg	3.0 Kg

1. MIL-STD-810G, Method 516.6, Procedure IV, Height Modified to 2.5 feet

2. MIL-STD-810G, Method 514.6, Procedure I, Category 24, Fig. 514.6E-1 / ASTM 4169, Truck Transport, 11.5.2 Random Test, Assurance Level II

●Standard ◎Option - Not Available

■ Options



High Resolution



COM & Parallel Ports Cable



9 Cell Battery

DURABOOK

www.twinhead.com

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