

DURABOOK D13RL



Drop resistant

- Magnesium alloy case
- Optical drive lock design



Shock resistant

- Anti-shock mounted HDD
- Anti-shock mounted LCD screen



Spill resistant

- Spill resistant keyboard, touchpad and buttons



GAMMATECH , born to be rugged

Drop resistant , **Shock resistant** and **Spill resistant**

-A notebook tough enough to survive under real world conditions

DURABOOK D13RL



Rugged Outside:

- Passed Simulated Drop/Shock/Spill test in accordance to MIL-STD-810G

Performance Inside:

- Intel® Ultra Low Voltage
- Genuine Windows® 7 Professional.
- 13.3-inch WXGA TFT screen
- Mini Express Card Wireless LAN 802.11b/g or 802.11b/g/n (option)
- Supports Express Card Type 54/34 slot
- Compliant to Intel® High Definition Audio



DURABOOK D13RL

GAMMATECH Tough Features

Drop Resistant	Magnesium alloy case - 20 times stronger than ABS plastic, offering higher survival rate after drops and bumps. 26 drops from 76 cm height to plywood over concrete with unit off and display closed. 5 units to pass. Simulate MIL-STD-810G, Method 516.6, Procedure IV.
Shock Resistant	Anti-shock mounting design protects LCD screen and hard disk drive from damage and data loss. Flexible HDD cable design absorbs shock from drops. Simulate MIL-STD-810G, Method 514.6, Procedure I, Category 24, Fig. 6E-1. ASTM4169, Truck Transport, 11.5.2 Random test, Assurance Level II
Spill Resistant	Spill resistant keyboard, touchpad and switches. Spill resistant design stops spills from leaking into sensitive interior parts.
Optical Disk Lock	Exclusive optical disk tray lock prevents unintentional tray eject from drop and vibration.
Battery Protection	Double protection smart battery circuitry prevents damage caused by current or voltage surges and overheating. Smart Battery Calibration helps fight the loss of battery capacity after repeated charge-discharge cycles.

Processor	Intel Low Voltage CPU
Chipset	Intel 82945 GSE (5.5W ; FCBGA 998) Intel 82801 GBM (1.9W ; BGA 652)
System Memory	Two 200-pin DDR2 SODIMM sockets each for 512 GB / 1GB / 2GB Maximum Memory supported : up to 2GB at 533 & 667 MHz
Hard Disk Drive	2.5", 9.5mm Hard Disk Drive, SATA 150
Optical Media Device	One fixed type optical media device choice of 5.25"/12.7mm SATA interfaced Super-Muliti DVD drive
Display	13.3-inch WXGA TFT screen, 200nits
Audio	Compliant to Intel High Definition Audio <ul style="list-style-type: none"> • 24-bit output • Two 1 W, 4 Ohm stereo speakers • Built-in Microphone
I/O Device	Internal Touch Pad - PS / 2 mouse 1/F
I/O Ports	<ul style="list-style-type: none"> <li style="width: 50%;">• 3 x USB2.0 connectors <li style="width: 50%;">• 4 boutons support Right / Lift and Scroll Up / Down <li style="width: 50%;">• 1 x Express 34/54 Card slot <li style="width: 50%;">• 1 x 15-pin D-sub connector for external monitor <li style="width: 50%;">• 1 x Headphone jack <li style="width: 50%;">• 1 x 9 - pin D-sub connector for COM port <li style="width: 50%;">• 1 x Mic-in phone jack <li style="width: 50%;">• 1 x RJ - 45 jack for internal 10/100Mbps Ethernet <li style="width: 50%;">• 1 x Internal USB 2.0 connector , support USB memory stick <li style="width: 50%;">• 1 x DC-in jack
Keyboard	85-keys with dedicated windows key <ul style="list-style-type: none"> <li style="width: 50%;">• Fn+F1(F11):Select Boot device after POST finished <li style="width: 50%;">• Fn+F3:LCD Backlight off/on <li style="width: 50%;">• Fn+F2(F12)Select Boot from LAN function after POST finished <li style="width: 50%;">• Fn+F4:Suspend mode <li style="width: 50%;">• Fn+F5:LCD/CRT Display Switch (LCD->CRT->LCD+CRT) <li style="width: 50%;">• Fn+F6: LCD Brightness Decrease <li style="width: 50%;">• Fn+F7:LCD Brightness Increase <li style="width: 50%;">• Fn+F8: Volume Control Down <li style="width: 50%;">• Fn+F9: Volume Control Up <li style="width: 50%;">• Fn+F10:Mute
Wireless/Communications	<ul style="list-style-type: none"> • 802.11 b / g / n (1T2R) or 802.11 b / g • Integrated 10 /100 Mbps Ethernet • PCI Express Mini Card
AC Adapter	Input: 100~ 240V AC, 50/60Hz Output:20V, 3.25A ,65W
Battery	Standard Li-Ion 6 cell (3S3P , 4400mAH)Smart Battery Pack Optional Li-Ion 9 cell (3S3P , 6600mAH)Smart Battery Pack ***9 cell Battery is not included in rugged drop spec.
Dimensions & Weight	312(W) x 257mm(D) x 33~38mm(H) / 10.1" (D) X 12.3" (W) X 1.3"-1.5" (H) 2.6KG/5.73lbs

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