



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

GAMMATECH D14RL



Rugged Outside:

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

Performance Inside:

- Intel® Ultra Low Voltage
- Genuine Windows Vista® Business
- 14.1-inch XGA TFT LCD screen (1024 x 768)
- 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



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.

System Specifications

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 400 & 533 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	14.1" XGA TFT LCD (1024 x 768)non- Glare type, 185 nits	
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"> • 3 x USB2.0 connectors • 1 x Express 34/54 Card slot • 1 x Headphone jack • 1 x Mic-in phone jack • 1 x Internal USB 2.0 connector , support USB memory stick • 4 boutons support Right / Lift and Scroll Up / Down • 1 x 15-pin D-sub connector for external monitor • 1 x 9 - pin D-sub connector for COM port • 1 x RJ - 45 jack for internal 10/100Mbps Ethernet • 1 x DC-in jack 	
Keyboard	85-keys with dedicated windows key <ul style="list-style-type: none"> • Fn+F1(F11):Select Boot device after POST finished • Fn+F2(F12)Select Boot from LAN function after POST finished • Fn+F5:LCD/CRT Display Switch (LCD->CRT->LCD+CRT) • Fn+F7:LCD Brightness Increase • Fn+F9: Volume Control Up • Fn+F3:LCD Backlight off/on • Fn+F4:Suspend mode • Fn+F6: LCD Brightness Decrease • Fn+F8: Volume Control Down • 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	