Semi-rugged with a new spill-proof design

Rule your world from anywhere you want with a new level of toughness and flexibility— the Howard™ Jag HS4 semi-rugged notebook. Compact and lightweight, with all the power and usability of a mainstream notebook, the Jag HS4 is built to withstand the drops and bumps of life on-the-go. From special shock-absorbing material for LCD and hard drive protection, to an armor-like casing of magnesium alloy that is 20 times stronger than ABS plastic, the Jag HS4 is engineered for high performance in a mobile environment. And its unique, spill-proof design keeps your laptop dry whether you're in the field or at the coffee shop. Howard's new, Microsoft® Certified Jag HS4— it works where you work.

Howard Computers recommends genuine Microsoft® Windows® XP Professional.

The Howard Advantage!

With every Howard product purchase, you receive the following for **FREE**!

- ✓ Phone and web tech support for the LIFE of your system
- ✓ 100% US-based, English-speaking customer support 24/7/365
- ✓ Phone hold times < 1 minute
- ✓ Reliable disaster recovery software

*Experience the **Howard** difference.*

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Feature	Benefits
Magnesium Alloy Casing	Both top and bottom of the new JagHS4 are made of Magnesium Alloy, which is 20 times stronger than ABS plastic. This protects the delicate components from spills, drops and shocks.
Shock absorbing protection for hard drive and LCD	The hard drive and LCD are protected from vibration and shock by a special shock absorbing material.
Spill-resistant design	A spill-resistant C-face protects the area around the keyboard, wireless and power switches, touch pad, and speakers. This unique feature also prevents dust from entering those areas.
Special optical drive	The JagHS4 also has a special lock on the optical drive door to keep it from opening accidentally and becoming damaged.
Microsoft® certified	This is a highly-tested system, optimized for Microsoft® Windows® XP Professional and Microsoft® Vista.
Webcam	The included 1.3 Mega-pixel webcam can be used for numerous multimedia applications.

HOWARD™
TECHNOLOGY SOLUTIONS

*Experience the **Howard** advantage.*

Feature	Specifications
Chipset	Intel® 965GM Express + ICH8-M
Supported Operating Systems	Microsoft® Windows® XP Professional or Home with SP3, Windows Vista SP1
Processor Options	Intel® Core 2 Duo (Socket P)(45nm support)
System Memory	Up to 4 GB of DDR2 (2 slots)
Cache Memory	Up to 6MB of L2 cache (depending on processor)
Hard Disk Drive	Up to 1 SATA hard drive
Video	Intel® X3100 graphics 256MB
Audio	Integrated 2-channel High Definition audio
Monitor	15.4" WXGA graphic-enhancing LCD (Max: 1280 X 800)
Optical Drives	Internal DVDRW Drive
Modem	Integrated 56K v.90/92
Network	Integrated 10/100/1000 Realtek LAN, included Intel® 5100AGN 802.11 internal wireless (Optional Intel® 5300AGN 802.11 wireless card) Internal Bluetooth adapter included
Internal Ports	2 mini-pci express slots
External Ports	USB: 3; Integrated Smart-Card reader; Audio: Mic-in, headphone out; Video: 2, VGA out; LAN: 1 (10/100/1000); Express card slot; 4-in-1 Card Reader; Interated RS232 serial port; TPM 1.2 Module; Kensington Lock hole
Power Supply	65W 20V/3.25A AC external adapter
Certifications	WHQL = Windows Vista Ultimate 32-bit; Simulate MIL STD 810F, Method 514.5, Procedure I, Category 10, Fig 16 & 17/ASTM4169, Truck Transport, 11.5.2 Random test, Assurance Level II
Power Management	Suspend/Resume function, Hibernation, Standby, ACPI BIOS
Compliance	FCC part 15B, CE, DMI 2.3
Battery	48.84WHr 6-Cell Li-ion battery (standard)
Dimensions	1.47"(H) x 10.86"(W) x 14.56"(L)
Weight	6.39 lbs (complete system)

Q: What types of media does the 4-in-1 card reader support?

A: The card reader supports Multimedia Card (mmc), Memory Stick, SD, and MS Pro.

Q: What is the Average Battery Life for the JagHS4?

A: The 6-cell battery lasts approximately 3.0 hours under normal usage.

Q: What is an ExpressCard slot?

A: ExpressCard is a new hardware standard replacing PC cards (also known as PCMICA or Card Bus cards). ExpressCards allow the support of PCI Express and USB 2.0 speeds via the ExpressCard slot. The cards are hot-pluggable like USB 2.0, and come in either 34mm or 54mm sizes.

Q: What are the advantages of the JagHS4 over other mainstream notebooks?

A: JagHS4 incorporates industrial rugged features to help protect the vital components of the notebook. Over time this lowers your total cost of ownership by protecting your investment. And the tough design ensures that your work is protected against everyday accidents. The JagHS4 does all of this while providing the power and usability of a mainstream notebook.

Q: What is LifeGuard recovery solution?

A: Howard LifeGuard recovery solution is a smart recovery management system. If your PC becomes unstable or your operating system is damaged, then the Howard LifeGuard recovery system can restore your system to factory condition or a backup you've created. The LifeGuard system can be used by pressing F4 at the PC's startup screen.

Q: Whom should I contact for support?

A: Call Howard Computers for world-class support and service if there are any questions about the notebook. Customer support is available online at http://www.howardcomputers.com/support, by phone at 1.888.323.3151, via email at tech@howardcomputers.com or by conventional mail at Howard Computers, 36 Howard Drive, Laurel, MS 39443.

FREQUENTLY ASKED QUESTIONS

Experience the Howard advantage.

Product Upgrades

Enhance your purchase with any or all of the following products or services. And feel free to contact us toll free at 888-912-3151 to discuss any questions or your specific needs!

- USB port replicator
- On-site service
- Smart card reader
- DVD-RW with DVD software
- Jazz/zip drives
- External USB keyboard and mouse

Warranty & Support

- Howard Computers' standard warranties apply.
- **FREE** customer and technical support to purchaser via telephone or web for the life of the system.
- Expedite your troubleshooting process by participating in our Howard Technical Partnership Program (HTPP) which certifies your staff to perform basic hardware service and support. Contact us today for more information.

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