

You've got the power!

The Howard™ 1720 is the most powerful notebook we have ever offered! Using an Intel® PM45 Express chipset that has support for all of the latest Intel® processors, this mobile powerhouse delivers exceptional performance, and unbelievable system responsiveness. It features Centrino®2 components, and supports 802.11AGN and Bluetooth wireless options. The 1720 includes NVIDIA's GeForce Go 9600GT graphics package, along with HDMI, a WSXGA+ 17" LCD, and a webcam for tremendous multimedia capabilities. For the focused professional, or for focusing on the game, you've got the power!



Howard Technology Solutions 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.**



The Intel® Centrino® Core™ 2 Duo logo is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.



Feature	Benefits
CPU support	Support for the latest Core™ 2 Duo Processors (Socket-P)
Interfaces	Support for many outputs such as HDMI, flash media, e-SATA, 802.11n, S-video, Front Audio, USB 2.0, IEEE 1394, and VGA
Microsoft® certified	Highly tested system optimized for Microsoft® Windows® XP Professional and Microsoft® Windows® Vista™
Large 17" display	WXGA 17" graphic-enhancing LCD with max resolution: 1680x1050
Enhanced graphics	Powerful NVidia® GeForce® Go 9600GT graphics package
Wireless connectivity	High-speed connectivity with 802.11n wireless technology
Desktop replacement	Ideal mobile replacement for your desktop computer
Webcam	The included 1.3 mega pixel webcam can be used for numerous multimedia applications.
Play & burn CDs/DVDs	The 1720 includes a DVD-rewritable drive for burning your desired media, and an optional Blu-ray drive for a maximum high-definition experience.
Network ready	Includes integrated Realtek gigabit NIC
Includes LifeGuard by Howard	Restore your system to its original factory condition, a system generated backup, or a backup you've manually created, in just minutes.

HOWARD™
TECHNOLOGY SOLUTIONS

Experience the **Howard advantage!**

Buy online at www.Howard.com or call us at 888.912.3151.

Notebooks - Howard 1720

Feature	Specifications
Chipset	Intel® PM45 + ICH9-M
Operating system	Microsoft® Windows® XP Professional or Home Edition or Microsoft® Windows® Vista™
Processor	Intel® Celeron M (65nm based only) Intel® Core™ 2 Duo (Socket P)
System Memory	SODIMM, DDRII x 2, 677/800MHz up to 4GB
Cache Memory	3MB L2 Cache or 6MB L2 Cache (Core™2 Duo Processors)
Hard Drive	2.5" SATA 60, 80, 100, 120, 160, 250, 320GB, and available 32, 64, 128GB SSDs
Video	NVidia GeForce Go 9600GT 512 MB
Audio	Realtek high definition audio ALC888, SoundBlaster compatible x4 1.5W speakers, including mini-subwoofer
Monitor	WSXGA+ 17" graphic-enhancing LCD (Max: 1680x1050) with External VGA/HDMI
Optical Drive	8X DVD RW dual layer drive or Blu-ray drive
Network	Realtek integrated 10/100/1000 gigabit NIC
Wireless Connection	Included Intel® 5100AGN 802.11 internal wireless card (optional Intel® 5300AGN 802.11 internal wireless card) Internal Bluetooth adapter included
Ports	USB 2.0 x4, IEEE 1394 x1, RJ45, VGA, 4-in-1 Card Reader, e-SATA x1, ExpressCard x1, HDMI x1, Mic in, Headphone out, Line-in, Line-out, Array Mic, DC-in x1, 1.3MP Webcam, Kensington Lock Hole x1
Power Supply	120W AC adapter 19V DC, 4.74A
Dimensions (H x W x L)	1.37" (H) x 10.94" (W) x 15.55" (L); 7.9 lbs (complete system)
Battery	56.16 WHr 6-cell Li-Ion battery included (upgrade 79.92 WHr 9-cell Li-Ion battery)

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

A: The card reader supports Multimedia Card (MMC), Memory Stick, SD, and XD

Q: What Core™ 2 Duo technology?

A: The Intel® Core™ 2 Duo processor is Intel's second-generation mobile dual-core processor designed to deliver breakthrough performance and great power savings. With an Intel® Centrino® Duo mobile technology-based notebook and the new Core™ 2 Duo processor and 6MB cache, you can enjoy a greater than 20% performance increase when engaging in processor intensive tasks.

Q: What is the average battery life for the 1720?

A: The 6-cell battery lasts approximately 2.5 hours under normal usage.

Q: What is LifeGuard recovery solution?

A: Howard LifeGuard recovery solution is a smart recovery management system. If your notebook 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 notebook's startup screen.

Q: Whom should I contact for support?

A: Call Howard Technology Solutions 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>, through phone at 1.888.323.3151, by email at tech@howardcomputers.com or by traditional mail at Howard Technology Solutions, 36 Howard Drive, Ellisville Mississippi, 39437.

FREQUENTLY ASKED QUESTIONS

Experience the Howard advantage.



1.3 mega pixel webcam



HDMI port

Warranty & Support

- Howard Technology Solutions' 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.

HOWARD[™]
TECHNOLOGY SOLUTIONS

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Buy online at www.Howard.com or call us at 888.912.3151.