Big technology in a small package

Enjoy surfing the web, e-mailing, or video-chatting with friends? Then, you need the new Spark PC from Howard. Powered by Intel's new Atom™ processor, and featuring Microsoft Windows® XP or Windows® Vista, this full-functioning computer easily handles everyday computing activities, and then some. And, at about half the size of the smallest notebooks, and weighing only 2.8 lbs, the Spark strikes a perfect balance between usability and portability, making it the ultimate carry-on for travelers. The Howard™ Spark– Big technology in a small package!

Spark

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

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Feature	Specification
Chipset	Intel® 945GM + ICH7-M
Operating System	Microsoft® Windows® XP Home/Professional and Windows® Vista™
Processor	Intel® Atom™ N270 1.6GHz
System Memory	SODIMM, DDRII x2, 400/533/677MHz up to 2GB
Cache Memory	512KB L2 cache
Hard Drive	2.5" 9.25mm High, 5400rpm 80GB/120GB
Video	Intel® embedded GMA 950
Audio	AC97, SoundBlaster compatible, 2 speakers, 1W x 2
Monitor	XGA 10.2" LCD (Max: 1024x768) with external VGA
Network	Realtek integrated fast Ethernet NIC Internal 802.11 b/g wireless LAN card
Card Reader	Supports SD/MMS/MS card
Camera	Integrated 1.3MP camera
Ports	Express card 34: 1, Monitor (VGA): 1, USB 2.0: 3, MIC-in: 1 Headphone-out: 1, RJ45: 1, 3-in-1 card reader: 1
Battery	4000mAh Li-Ion battery, approximately 3.0 hours usage
Power Supply	12V DC, 36W/input: 100~240V AC, 50/60Hz universal
Dimensions	9.96"(L) x 7.3"(W) x 1.45"(H) 2.8 lbs (complete system)

What are your needs?	Yes	No
Is Windows Vista™ ready	•	
Access email & Internet	•	
Edit photos & videos	•	
Access 2-D & 3-D graphics	•	
Access basic business applications	•	
Create presentations	•	
Thin and light	•	
Largest LCD display in its class	•	
Is network ready	•	
Enhanced graphics	•	
Internal floppy disk drive		•
Great performance and value	•	
Ideal for home use	•	
Perfect for students	•	
Burn and play CDs and DVDs (with optional external drive)	•	
Perfect for lab environments	•	
Great for business	•	
Includes FREE tech support for lifetime of system	•	

Q: What types of media does the 3-in-1 card reader support?

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

Q: What is an ExpressCard slot?

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

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

A: The 4 cell battery lasts approximately 3.0 hours under normal usage.

Q: My Spark doesn't have an optical drive, what can I do?

A: The simplest option is to use an external USB optical drive. We have optional USB connected slim-line optical drives available from our website.

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—
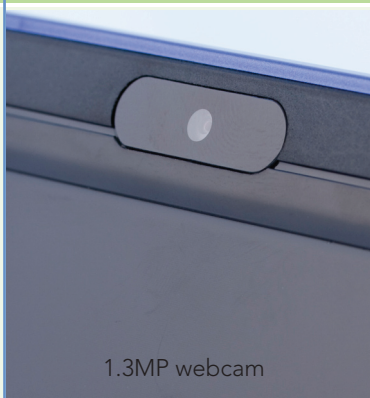
Online at http://www.howardcomputers.com/support,
Via email at tech@howardcomputers.com,
By phone at 1.888.323.3151, or
Conventional mail at Howard Technology Solutions,
36 Howard Drive, Ellisville Mississippi, 39437.

Experience the Howard advantage.

1.3MP webcam

VGA 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

Experience the **Howard** advantage.

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