

# Performance and reliability in one sleek package!

Compatible with all the latest Intel® processor options, the all-in-one G31N1 offers the performance and reliability you need in one sleek, space-saving design. It is equipped with an Intel® G31/ICH7 chipset, up to 4 GB of system memory, an integrated Intel® GMA 3100 graphics card, and an integrated Gigabit LAN. These great features combined with your choice of Microsoft® Windows® XP Home/Pro or Microsoft® Windows® Vista™ Business/Ultimate will add the perfect touch to any home, school, or office environment. And the space-saving design of the G31N1 allows you to conveniently place it in even the smallest areas without compromising space.



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*.



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Feature	Description
Chipset	Intel® G31/ICH7
Processor Options	Intel® Pentium® 4, Intel® Pentium® D, Intel® Celeron® D, Intel® Core 2 Duo, or Intel® Quad Core
Operating System	Microsoft® Windows® XP Home/Pro Microsoft® Windows® Vista™ Business/Ultimate
System Memory	Up to 4 GB of DDR2 SDRAM (800/667 MHz)
Cache Memory	Up to 4MB of L2 cache (Depending on processor)
Hard Drive	Serial ATA hard drive
Video	Integrated Intel® GMA 3100
Audio	Integrated high definition 6-channel audio
Monitor	Integrated 17" LCD
Optical Drive Options	CD-ROM, CD-RW, DVD/CD-RW combo, DVD, and DVD-RW
Modem	PCI 56k v.92 voice/data/fax (optional)
Network	Integrated Gigabit LAN
Drive Bays	1: 5.25"
IDE Devices	Supports 1 IDE Devices
Ports	Serial: 1, USB: 8, LAN: 1, VGA: 1, Parallel: 1
Power Supply	220 watt power supply
Dimensions	17.1" (H) x 16.1" (W) x 8.5" (L)

**HOWARD**<sup>™</sup>  
TECHNOLOGY SOLUTIONS

Innovation *at work* for you.

Buy online at [www.Howard.com](http://www.Howard.com) or call us at 888.912.3151.

# Desktops - G31N1

What are your needs?	Yes	No
Is Microsoft® certified		•
Vista ready		•
Manage home finances	•	
Play & burn CDs/DVDs	•	
Edit photos & videos	•	
Access 2-D & 3-D graphics	•	
Access basic business applications	•	
Create presentations	•	
Work wire free	•+	
Record and pause live TV	•+	
Access multimedia applications	•	
Is network ready	•	
Easily upgradable	•	
Store large amounts of data	•	
Create a home network	•	
Ideal for home use	•	
Perfect for students	•	
Great for power-users		•
Ideal for gamers		•
Perfect for lab environments	•	
Great for business	•	
Includes FREE tech support for lifetime of system	•	
Includes Howard LifeGuard	•	

+ denotes upgrade option

**Q: What is the Intel GMA 3100?**

A: The GMA 3100 is Intel's latest integrated graphics chipset that features 3-D enhancements enabling greater flexibility and scalability and improved realism with support for Microsoft DirectX 9.0c.

**Q: What is the Core 2 Duo?**

A: The Core 2 Duo is the newest processor from Intel®. It is built on the Dual Core technology, which is two independent processors in one physical package computing parallel for enhanced performance. The Core 2 Duo supports 64 bit computing, Intel® Virtualization technology, and a plethora of other features to enhance performance and be energy-efficient.

**Q: What advantage do I get from the 1333 FSB?**

A: The 1333 FSB (front side bus) allows for compatibility with the latest Intel processors including the new 45nm Pennryn CPU's.

**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. 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 Technology Solutions for world class support and service if there are any questions about the desktop. Customer support is available online at <http://www.howard.com/support/>, through phone at 1.888.323.3151, by email at [tech@howardcomputers.com](mailto:tech@howardcomputers.com) or by traditional mail at Howard Technology Solutions, 36 Howard Drive, Ellisville, Mississippi 39437.

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!

- More powerful graphics card
- On-site service
- Higher quality sound card
- Jazz/zip drives
- Wireless networking

### 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.

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