

# COMPARISON OF 27-INCH ALL-IN-ONE DESKTOPS

We compared the Dell™ XPS 27 All-in-One to others in its class from vendors including Acer®, Apple®, HP, Lenovo®, and Microsoft®. Figure 1 compares the systems using publicly available data from each vendor’s respective website. We gathered this data at the links provided on 11/12/2018 and report only what each vendor disclosed on their site.

According to vendor-provided data, the Dell XPS 27 All-in-One has the most speakers of any 27-inch all-in-one desktop.

Brand	Model	Speaker info
Dell	<a href="#">XPS 27 All-in-One</a>	10 speakers. The sound system has a distinctive integrated sound bar which includes ten discrete speakers powered and controlled by digital dynamic amplifiers producing 50 Watts per channel.
Acer	<a href="#">Aspire U27 (U27-880-UR14)</a>	Stereo with integrated subwoofer.
Apple	<a href="#">27-inch iMac with Retina 5K display</a>	Stereo speakers.
Apple	<a href="#">27-inch iMac Pro with Retina 5K display</a>	Stereo speakers.
HP	<a href="#">Pavilion All-in-One Desktop (27-a240se)</a> <a href="#">(27-r045qe)</a> <a href="#">(27-a250qd)</a> <a href="#">(27-xa0025xt)</a> <a href="#">(27-xa0045z)</a> <a href="#">(27-xa0035xt)</a> <a href="#">(27-xa0055st)</a>	Stereo speakers. Dual, front-firing HP speakers, custom-tuned by B&O PLAY, captivate your family with immersive entertainment.
HP	<a href="#">Envy 27 All-in-One (27-b155qd)</a>	Quad speakers. Turn your home into a cinematic experience with HP quad speakers custom-



		tuned in collaboration with audio experts at Bang & Olufsen, combined with a brilliant QuadHD display.
HP	<a href="#">Envy 27 All-in-One (27-b255qd)</a> <a href="#">(27-b245se)</a> <a href="#">(27-b235t)</a> <a href="#">(27-b220qd)</a>	<p>Quad speakers.</p> <p>With a 4K touchscreen display, the Envy 27 brings in the ultimate cinematic experience. Paired with HP quad speakers and audio by Bang &amp; Olufsen, your home is at the forefront of entertainment.</p>
HP	<a href="#">EliteOne 1000 G2</a>	<p>Stereo speakers.</p> <p>High performance integrated stereo speakers.</p>
Lenovo	<a href="#">IdeaCentre AIO 520 27"</a>	2 x 3-Watt speakers
Microsoft	<a href="#">Surface Studio</a>	Stereo 2.1 speakers with Dolby Audio Premium

Figure 1: Speaker info. All links and data current as of 11/12/2018.

## ABOUT PRINCIPLED TECHNOLOGIES



Principled Technologies, Inc.  
1007 Slater Road, Suite 300  
Durham, NC, 27703  
[www.principledtechnologies.com](http://www.principledtechnologies.com)

We provide industry-leading technology assessment and fact-based marketing services. We bring to every assignment extensive experience with and expertise in all aspects of technology testing and analysis, from researching new technologies, to developing new methodologies, to testing with existing and new tools.

When the assessment is complete, we know how to present the results to a broad range of target audiences. We provide our clients with the materials they need, from market-focused data to use in their own collateral to custom sales aids, such as test reports, performance assessments, and white papers. Every document reflects the results of our trusted independent analysis.

We provide customized services that focus on our clients' individual requirements. Whether the technology involves hardware, software, Web sites, or services, we offer the experience, expertise, and tools to help our clients assess how it will fare against its competition, its performance, its market readiness, and its quality and reliability.

Our founders, Mark L. Van Name and Bill Catchings, have worked together in technology assessment for over 20 years. As journalists, they published over a thousand articles on a wide array of technology subjects. They created and led the Ziff-Davis Benchmark Operation, which developed such industry-standard benchmarks as Ziff Davis Media's Winstone and WebBench. They founded and led eTesting Labs, and after the acquisition of that company by Lionbridge Technologies were the head and CTO of VeriTest.

Principled Technologies is a registered trademark of Principled Technologies, Inc.  
All other product names are the trademarks of their respective owners.

---

#### Disclaimer of Warranties; Limitation of Liability:

PRINCIPLED TECHNOLOGIES, INC. HAS MADE REASONABLE EFFORTS TO ENSURE THE ACCURACY AND VALIDITY OF ITS TESTING, HOWEVER, PRINCIPLED TECHNOLOGIES, INC. SPECIFICALLY DISCLAIMS ANY WARRANTY, EXPRESSED OR IMPLIED, RELATING TO THE TEST RESULTS AND ANALYSIS, THEIR ACCURACY, COMPLETENESS OR QUALITY, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. ALL PERSONS OR ENTITIES RELYING ON THE RESULTS OF ANY TESTING DO SO AT THEIR OWN RISK, AND AGREE THAT PRINCIPLED TECHNOLOGIES, INC., ITS EMPLOYEES AND ITS SUBCONTRACTORS SHALL HAVE NO LIABILITY WHATSOEVER FROM ANY CLAIM OF LOSS OR DAMAGE ON ACCOUNT OF ANY ALLEGED ERROR OR DEFECT IN ANY TESTING PROCEDURE OR RESULT.

IN NO EVENT SHALL PRINCIPLED TECHNOLOGIES, INC. BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH ITS TESTING, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL PRINCIPLED TECHNOLOGIES, INC.'S LIABILITY, INCLUDING FOR DIRECT DAMAGES, EXCEED THE AMOUNTS PAID IN CONNECTION WITH PRINCIPLED TECHNOLOGIES, INC.'S TESTING. CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES ARE AS SET FORTH HEREIN.

---