A look at how new Google Nexus 10 device compares with other large-size tablets

The Associated Press

Google has started shipping a larger version of its Nexus tablet computer, one that comes closer to competing with Apple's full-size iPad and other tablets. Here's a look at how the Nexus 10 compares with other tablets with similar screens.

Google Inc.'s Nexus 10

- Price: $399 for 16 gigabytes of storage, $499 for 32 GB

- Screen size: 10.1 inches diagonally

- Screen resolution: 2560 by 1600 pixels, at 300 pixels per inch.

- Weight: 1.33 pounds.

- Cameras: 5-megapixel camera on back and a low-resolution camera on front, for videoconferencing

- Battery life: 9 hours for video playback, 7 hours for Web browsing.

- Operating system: Google's Android

Pros: Access to a variety of games, utilities and other software for Android devices, though not as extensive as apps available for iPad. Longer, narrower screen better suited to movies. Cheaper than newest full-size iPad.

Cons: Integrates with Google Play store, which is still new and isn't as robust as Apple or Amazon's stores. Data storage cannot be expanded with memory cards. No option for cellular wireless broadband.

Apple Inc.'s iPad:

- Price: Starts at $499 for 16 gigabytes of storage, goes up to $699 for 64 gigabytes, more for versions with cellular data access. (Apple still sells the older, iPad 2 for $399.)

- Screen size: 9.7 inches diagonally

- Screen resolution: 2048 by 1536 pixels, at 264 pixels per inch.

- Weight: 1.44 pounds

- Cameras: 5-megapixel camera on back and a low-resolution camera on front, for videoconferencing

- Battery life: 10 hours.

- Operating system: Apple's iOS

Pros: Unmatched access to third-party applications, high-quality Apple software and the iTunes store. Widest range of cases and accessories available. Available with access to fast 4G wireless broadband networks, starting at $629.

Cons: Data storage cannot be expanded with memory cards.

Amazon.com Inc.'s Kindle Fire HD 8.9" (available Nov. 20):

- Price: $299 for 16 gigabytes of storage, $369 for 32 GB.

- Screen size: 8.9 inches diagonally

- Screen resolution: 1920 by 1200 pixels, at 254 pixels per inch.

- Weight: 1.25 pounds.

- Cameras: Front-facing camera.

- Battery life: Undisclosed.

- Operating system: Modified version of Google's Android

Pros: Cheap and portable. Convenient access to Amazon store. Dolby audio. Available with access to fast 4G wireless broadband networks, for $499.

Cons: Small selection of third-party applications available from Amazon. No rear camera for taking video and photos.

Samsung Electronic Co.'s Galaxy Tab 2 10.1:

- Price: $399 for 16 gigabytes of storage

- Screen size: 10.1 inches diagonally

- Screen resolution: 1280 by 800 pixels, 149 pixels per inch

- Weight: 1.24 pounds

- Cameras: low-resolution front camera, 3-megapixel back.

- Battery life: 11 hours.

- Operating system: Google's Android

Pros: Storage is expandable with microSD memory cards. Can act as a universal remote control for an entertainment center. Option for wireless broadband starting in November.

Cons: Selection of third-party applications not as good as iPad's, but wider than Kindle. Screen resolution lower than iPad's.

Samsung Electronic Co.'s Galaxy Note 10.1:

- Price: $499 for 16 gigabytes of storage, $549 for 32 GB

- Screen size: 10.1 inches diagonally

- Screen resolution: 1280 by 800 pixels, 149 pixels per inch

- Weight: 1.3 pounds

- Cameras: low-resolution front camera, 5-megapixel back.

- Battery life: 9 hours.

- Operating system: Google's Android

Pros: Comes with a pen, for jotting notes and drawing on the screen. Slightly thinner and lighter than an iPad. Longer, narrower screen better suited to movies. Storage is expandable with microSD memory cards. Can act as a universal remote control for an entertainment center.

Cons: Selection of third-party applications not as good as iPad's, but wider than Kindle. Screen resolution lower than iPad's. No option for wireless broadband. Pen sensor slightly shortens battery life.

Barnes & Noble Inc.'s Nook HD+

- Price: $269 for 16 gigabytes of storage; $299 for 32 GB

- Screen size: 9 inches diagonally

- Screen resolution: 1920 x 1280 pixels, 256 pixels per inch

- Weight: 1.14 pounds

- Cameras: None.

- Battery life: 10 hours of reading, 9 hours of video

- Operating system: Modified version of Google's Android

Pros: Cheap and portable. Storage is expandable with microSD memory cards. Easy access to Barnes & Noble book store.

Cons: Selection of third-party applications is small. Barnes & Noble lacks wide range of content. Lacks cameras and option for wireless broadband.

Microsoft Corp.'s Surface:

- Price: $499 for 32 gigabytes of storage, $100 extra for keyboard cover. $699 for 64 GB version, includes keyboard cover.

- Screen size: 10.6 inches diagonally

- Screen resolution: 1366 by 768 pixels, 148 pixels per inch

- Weight: 1.5 pounds.

- Cameras: Front and back cameras

- Battery life: 8 hours.

- Operating system: Microsoft's Windows RT.

Pros: Storage can be expanded with microSD memory cards. Comes with free Microsoft Office software. Models running full version of Windows 8 coming soon, offering compatibility with programs available for traditional Windows computers.

Cons: Operating system lacks good track record on tablets. Selection of tablet-adapted third-party applications small. No option for wireless broadband.

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