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## Second source makes OneNAND more attractive

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TAIPEI, Taiwan — Putting a second source in place for Samsung's OneNAND may help the company ramp up design wins for the technology, according to Semico Research Corp.

Samsung Electronics [said Monday \(Oct. 23\)](#) that STMicroelectronics has licensed Samsung's OneNAND to meet increasing demand in various applications, including wireless.

"The part sells in small volumes, and ST's not that big of a player in NAND," said Jim Handy, flash analyst at Semico. "Perhaps Samsung needed a second source to get the design wins they want. If that's the case, you would wonder what's in it for ST."

According to the licensing agreement, STMicroelectronics will use Samsung's OneNAND starting in early 2007. A spokesperson for ST said Tuesday that the company needed the IP in OneNAND to develop some of its application- and customer-specific products.

OneNAND's architecture features a NAND core with SRAM and logic elements to emulate a NOR flash interface. It delivers a sustained data read speed of 108 Mbytes/s, four times faster than conventional NAND flash, and a write speed of 10 Mbyte/s, according to Samsung.

The fast read and write speeds speed boot times and application launch times in mobile handsets and nonvolatile cache for PC applications.