

# AT&T takes wraps off wireless data network

September 16 2011, By PETER SVENSSON , AP Technology Writer

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The AT&T logo is seen in 2010 in Washington DC. US telecom titan AT&T on Sunday will flip the switch on a high-speed "next-generation" network for smartphones and other wireless Internet gadgets in five cities.

Unbeknownst to most customers, AT&T Inc. has fired up a new wireless data network in five cities in the last few months, offering roughly double the speeds of its older network for a handful of devices.

On Sunday, the phone company will start marketing the network in Atlanta, Chicago, Dallas, Houston and San Antonio. It won't be selling a new data plan - use of the new "4G LTE" network will be a perk thrown in with existing plans, AT&T Inc. network architecture and planning executive Kris Rinne said Friday.

Rinne said the network will provide downloads speeds of 5 megabits to 12 megabits per second. That's enough to download a DVD-quality two-

hour movie in 15 minutes. It's in line with the speeds on Verizon's LTE network, which launched late last year with separate data plans. AT&T's older "4G" network provides top download speeds around 6 megabits per second.

Upload speeds on the LTE network are also significantly higher than on regular "4G," clocking in at 2 megabits to 5 megabits per second, Rinne said. That's fast enough to send one minute of high-definition video from a tablet to Facebook in three minutes.

The LTE-capable devices AT&T sells are a tablet - the HTC Jetstream - two USB data sticks and a "mobile Wi-Fi hotspot." They're sold with the standard AT&T non-phone data plan, which provides 5 gigabytes of data for \$50 per month, except for the tablet, which comes with a \$35 plan with 3 gigabytes of data.

At top LTE download speeds, it takes about an hour to exhaust the monthly allotment of 5 gigabytes. Like Verizon, AT&T charges \$10 per gigabyte used above that.

Rinne said the company will have an LTE-capable phone by the end of the year.

Analysts don't expect the next iPhone to be LTE-capable at its launch, which they think could be within a month. Apple Inc. and AT&T haven't said when the phone will launch or if it will be LTE-capable.

AT&T plans to light up the LTE network in ten more cities by the end of the year, but hasn't said which ones.

AT&T's LTE plans have figured in the company's bid to buy T-Mobile USA for \$39 billion. AT&T says it originally planned to build out LTE to cover 80 percent of the U.S. population, but if regulators let it buy T-

Mobile, it will upgrade cell sites in rural areas as well, to cover 97 percent of the population. AT&T has less radio spectrum available for LTE than Verizon does, so it wants to take some of the spectrum T-Mobile uses for 3G and convert it to LTE.

The initial five LTE cities are all areas in which AT&T is the landline phone company. That makes it easier for the company to provide the LTE-enabled cell towers with high-speed wired connections to the Internet. The company's headquarters is in Dallas, one of the launch cities.

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Citation: AT&T takes wraps off wireless data network (2011, September 16) retrieved 28 April 2024 from <https://phys.org/news/2011-09-att-wireless-network.html>

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