



AT&T Wireless Network at a Glance

Network Investment

Between 2005 and the end of this year, AT&T will have invested more than \$20 billion to expand and enhance the scope and capability of its wireless network to deliver "more bars in more places." This ongoing investment continues to increase coverage, ensure high levels of reliability and offer advanced wireless data services to more parts of the country and more customers.

Network Capabilities

Delivering the best wireless experience starts with the network. The AT&T wireless network delivers the ideal combination of unmatched voice and data coverage, widespread high speed data availability, unmatched flexibility, top-quality service and unsurpassed reliability.

AT&T's wireless network has the largest digital voice and data coverage in America.

The company has moved aggressively to deploy third-generation (3G) wireless broadband service across the country, with more than 80 additional cities scheduled to be added in 2008. The planned expansion is expected to deliver AT&T 3G services to nearly 350 leading U.S. markets by the end of 2008.

AT&T's 3G and EDGE coverage areas combine to create the nation's most expansive high speed data network, covering more than 45,000 cell sites, 17,000 cities and towns and 40,000 miles of highway. This coverage enables users to view e-mail, surf the Internet and access business files at high speeds in more places than any competitor.

AT&T's wireless network is built on the Global System for Mobile Communications (GSM) standard — the most open and widely used technology in the world. AT&T devices work in more than 200 countries and regions — that's more than 90 percent of the planet. The GSM standard also allows customers to take advantage of groundbreaking services that use simultaneous voice and data communications, such as sharing live video.

3G: AT&T's 'Supercharged' Wireless Broadband Network

When it comes to technology, AT&T is always looking toward the future. As the company progresses with its rollout of 3G on the GSM network, it means customers will have access to the fastest and highest-quality voice and data network whether they're at home or roaming internationally.

AT&T's 3G network is based on HSPA/UMTS (High Speed Packet Access/Universal Mobile Telephone System) technology, the only 3G technology capable of delivering both voice and data services.

By offering its 3G wireless broadband service, AT&T is changing how, when and where people access the Internet, use e-mail or view a variety of entertainment services.

Customers can use 3G handsets to quickly access feature-rich wireless content, including videos, games, pictures and the latest music, entertainment, news and weather, through MEdia Net, the company's mobile Internet portal.

AT&T 3G network customers can view razor-sharp clips through CV, an on-demand streaming video service that offers a comprehensive library of mobile video content from some of the top media brands.

The AT&T 3G network is ideal for mobile customers. Through LaptopConnect, laptop users have DSL-type speeds and the ability to quickly download or upload large files, run corporate applications, access the Internet or their company's intranet and check e-mail from anywhere within the 3G network.

Network Testing

As part of its ongoing network-improvement plan, AT&T is committed to extending coverage and enhancing the quality of service to customers.

AT&T technicians and other third-party vendors will drive nearly 30 million miles to test AT&T's wireless network this year — the equivalent of more than 50 round trips to the moon — to ensure AT&T is delivering the best coverage and quality.

Hundreds of technicians from third-party testing companies, infrastructure vendors and AT&T technicians will use specially designed vehicles to travel throughout the country and test the signal strength and coverage of AT&T's ALLOVER™ Network.

Along with drive-testing its own network, AT&T drive-tests competitors' networks to ensure that its coverage and quality are equal to or better than other companies providing service in the area.

The drive-test results help to prioritize where the company invests in new cell sites and equipment that enhances the network quality and coverage.

Spectrum

AT&T has more available spectrum than any other carrier and has more efficient utilization of existing spectrum. More spectrum deployed on one network means better performance and reliability.

In the top 100 wireless markets, AT&T has an average spectrum depth of 77 MHz. This means AT&T is positioned to accommodate growth in customers' network usage.

The simultaneous data and voice capability offered by 3G technology allows customers to participate on a conference call from their 3G device while they download a presentation or access the Internet. This capability is made possible by AT&T's dynamic, integrated network efficiently allocating spectrum between voice and data. Other carriers have to maintain separate voice and data networks.

AT&T uses spectrum in the 850 MHz and/or 1,900 MHz frequency in most major markets.

Network Evolution Direction

As customer needs continue to evolve and grow in the future, AT&T's global leadership in the deployment of GSM technologies positions the company to continually evolve its network to meet those needs. The evolution toward HSPA+ and Long Term Evolution (LTE) technologies will enable the company to continue to deliver higher speeds and capacity in the years to come.

Handsets and Wireless Devices

AT&T's choice of the open GSM standard also enables the company to bring customers the broadest array of handsets and other wireless devices and applications. Highlights of the many industry-leading and exclusive devices offered by AT&T include:

Apple iPhone
BlackBerry® Curve™ and BlackBerry 8820
Motorola RAZR2, Z9 and Q9 Global
AT&T Tilt
Palm Treo 750
Samsung Access, BlackJack™ II, SYNC, SLM and a737
LG Vu and Shine
Nokia N75 and 6555
Pantech Duo