

NEWS RELEASE

## Comcast to Deliver Multi-Gig Symmetrical Speeds to Customers Over Existing Connections in World-First DOCSIS 4.0 Deployment

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Consumers Will Have Access to 300 Mbps, 500 Mbps, 1 Gbps and 2 Gbps Upload and Download Speeds

Service Available Next Week in Select Neighborhoods of Colorado Springs with Areas of Atlanta and Philadelphia Coming Online Soon

PHILADELPHIA--(BUSINESS WIRE)-- Comcast announced that next week it will begin to introduce the first residential customers in the world to next-generation Internet powered by DOCSIS 4.0 technology. The latest version of DOCSIS technology is a giant leap forward in Internet connectivity that can deliver multi-gigabit symmetrical speeds to customers over the connections that already exist in tens of millions of homes in Comcast markets across the country.

Comcast will begin to introduce the first residential customers in the world to next-generation Internet powered by DOCSIS 4.0 technology. (Graphic: Business Wire)

As a part of the launch, Comcast will introduce a new portfolio of symmetrical products for

residential customers. Comcast will begin rolling out DOCSIS 4.0 to select neighborhoods in Colorado Springs, CO, and will launch new markets throughout the country over the next few years. Select areas of Atlanta, GA and Philadelphia, PA are expected to begin rolling out before the end of this year.

"The ubiquity of our network, which is already accessible to tens of millions of homes, provides us with an incredible opportunity to bring multi-gigabit upload and download speeds to communities across the country with the scale and efficiency that no other provider can replicate," said Dave Watson, President & CEO, Comcast Cable.

"Our connectivity experience, powered by the Xfinity 10G Network, will allow us to deliver speeds up to 10 Gbps over our traditional network to virtually all our customers, plus even better reliability, lower latency, and the best in-home WiFi coverage. We're entering the next phase of this industry leadership with DOCSIS 4.0 technology to introduce X-Class Internet products that will revolutionize the way our customers get online today and many years into the future."

## Introducing X-Class Internet

Symmetrical 10 Gbps service based on fiber-to-the-home technology is already available in all of Comcast's markets, and as part of its continued network evolution and the introduction of DOCSIS 4.0, multi-gig symmetrical speeds are rolling out.

New and existing residential customers connected via DOCSIS 4.0 will have access to Comcast's newly introduced next-generation X-Class Internet portfolio. X-Class speed tiers include X-300 Mbps, X-500 Mbps, X-1 Gbps and X-2 Gbps upload and download speeds and low lag for the ultimate live sports streaming experience on Peacock, smooth connections on work calls, and ultra-responsive gaming.

"The enhancements that we have been making to our network over the past few years have been foundational to creating an award-winning network architecture that is fully virtualized and capable of delivering these exciting capabilities to our customers," said Elad Nafshi, Chief Network Officer, Comcast Cable. "This is an awesome achievement and I'm incredibly proud of the team of brilliant technologists here at Comcast who have worked relentlessly to make DOCSIS 4.0 a reality ahead of schedule."

## Full Duplex DOCSIS

Comcast's path to DOCSIS 4.0 leverages breakthrough network technology known as "Full Duplex" that utilizes the same network spectrum to dramatically increase upstream speeds without sacrificing downstream speeds.

## Comcast 10G Innovation

The DOCSIS 4.0 launch is the latest in a long line of **world firsts** that Comcast has spearheaded in the effort to implement DOCSIS 4.0. In April 2021, Comcast **conducted** the first-ever live test of full duplex DOCSIS and later that year **tested** the world's first 10G connection all the way from the network to a modem. In 2022, Comcast **conducted** a world-first live trial and connected a business location in the Philadelphia region to its live network including a DOCSIS 4.0-enabled 10G node and multiple cable modems. In February 2023, the company marked another major milestone in the nation's largest and fastest multi-gig deployment by **announcing** its latest Xfinity 10G Network upgrade launched to 10 million homes and businesses.

In addition to Comcast's efforts to deploy DOCSIS 4.0 and other 10G upgrades across its footprint, the company continually invests in delivering a superior connectivity experience that is not only fast but is also reliable with less lag.

- Award Winning Tech – Comcast has lead the industry in deploying technologies within its network to enhance speed, reliability and latency like **distributed access architecture** (DAA) and a **vCMTS**, which earned an **Emmy® Award** for Technology and Engineering.
- Smart Network – Comcast-developed technology like **Comcast Octave** and **Xfinity Fiber Meter** (XMF), enables optimized network performance by proactively identifying and even repairing network impairments that impact customers' services.
- Storm-Ready WiFi – In August 2023, Comcast **introduced** Storm-Ready WiFi, the first product of its kind offered by an Internet provider designed to maintain a connection during a power or local outage.
- Low Latency – Deployed Active Queue Management (AQM) system nationally and currently trialing the latest CableLabs low latency DOCSIS (LLD) specification.

## DOCSIS Technology

Data Over Cable Service Interface Specification (DOCSIS) was first introduced in 1997 as a solution for high-speed data to be transmitted over existing cable wires, replacing dial-up phone lines for an Internet connection. Comcast has been a leader in deploying DOCSIS updates to deliver faster speeds to all the homes and businesses in its service areas. In early 2016, **Comcast was the first to introduce** DOCSIS 3.1-powered Gigabit Internet service and rapidly expanded Gigabit speeds across the country to more locations than any other provider.

Xfinity customers in Colorado Springs will be able to sign up online for the new DOCSIS 4.0-powered Internet plans.

## About Comcast Corporation

Comcast is a global media and technology company. From the connectivity and platforms we provide, to the content and experiences we create, our businesses reach hundreds of millions of customers, viewers, and guests worldwide. We deliver world-class broadband, wireless, and video through Xfinity, Comcast Business, and Sky; produce, distribute, and stream leading entertainment, sports, and news through brands including NBC, Telemundo, Universal, Peacock, and Sky; and bring incredible theme parks and attractions to life through Universal Destinations & Experiences. Visit [www.comcastcorporation.com](http://www.comcastcorporation.com) for more information.

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