

China Unicom fiber optic broadband downlink



Overview

Engineered by telecom giant China Unicom in partnership with Huawei, the service delivers a verified downstream speed of 9,834 Mbps, 1,008 Mbps upstream, and latency as low as 3 milliseconds—establishing China as a clear leader in ultra-high-speed internet infrastructure. China Unicom has implemented its CUBE-Net 3.0 technical architecture for next-level networks, and set up a demonstration base in the Guangdong-Hong Kong-Macao Greater Bay Area. Principles of moderate advancement, scientific planning, and coordinated development. It accelerates the construction of network infrastructure and actively plans computing power, enhanced the breadth and depth of mobile network coverage and user perception. Broadband network capability continues 5G. China has officially leapfrogged global broadband standards by launching the world's first commercial 10G fiber broadband network in Suning County, Hebei Province. Getting internet for your home in China is easy as well. You first need to know what speeds you need (both download and upload), how much you will actually be paying each month and what type. A few days ago, according to the overall arrangement of China Unicom's 400G test network, under the planning guidance of the Network Department of China Unicom Group and China Unicom Research Institute, Guangdong Unicom and FiberHome Communications built the first C+L band 400G test network, and Chinese telco China Unicom and Huawei have jointly launched the world's first 10G network that supersedes our standards for a speedy fiber internet. The feat was achieved in Xiong'an city, which is situated in Hebei Province's Sunan County.

Article Content

Mar 16, 2026

China Unicom cuts capex, boosts AI infra spending

China Unicom also said it has promoted the capacity expansion of gigabit broadband and the upgrade of 10-gigabit broadband, and launched pre-commercial trial of 10-gigabit optical fiber

Oct 17, 2025

Advance network innovation and strengthen the construction of new ...

China Unicom continues to enhance high-quality broadband network coverage, promoting the comprehensive realisation of gigabit broadband networks and steadily advancing the construction of

Jun 28, 2025

China plans \$500 million subsea internet cable to rival US-backed ...

Reuters reports that China state-owned telecom firms are developing a \$500 million undersea fiber-optic internet cable network that would link Asia, the Middle East and Europe to rival a

Nov 27, 2025

China Launches World's First 10G Broadband Network

China has launched the world's first 10G broadband network, delivering ultra-fast 9,834 Mbps speeds setting a global benchmark in fiber-optic

Aug 09, 2025

China Unicom Won the 2025 AI-Oriented Business ...

At the 2024 European Green All-Optical Network summit, China Unicom won the Premium User Experience With Optical Broadband Award. In terms of products, China Unicom provides all

Feb 19, 2026

Fiber to the Room (FTTR) Driving ONT Purchases in China

The article discusses Chinese operators' rapid transition to the next phase of residential fiber deployments, specifically focusing on FTTR architecture

Jul 31, 2025

China Unicom and FiberHome Built First C+L Band 400G Test Network

China Unicom has released the “Action Plan for China Unicom's New Digital Information Infrastructure”, actively building four boutique networks: 5G boutique network, gigabit broadband

Nov 07, 2025

What China's Major Submarine Cable Means for U.S.

Reuters says China's state-owned telecom firms are building a \$500 million fiber-optic internet cable network on the sea floor. China

Jan 23, 2026

China Unicom and Huawei Release 5G-A, Whole-House Optical

Liang Baojun, Vice President of China Unicom, said that China Unicom is promoting the network pilot and model construction of 5G-A to achieve a significant improvement in the capabilities

Oct 17, 2025

China Launches World's First 10G Broadband Network

Engineered by telecom giant China Unicom in partnership with Huawei, the service delivers a verified downstream speed of 9,834 Mbps, 1,008

Jul 10, 2025

China Unicom delivers world's first 10G network, its

Chinese telco China Unicom and Huawei have jointly launched the world's first 10G network that supersedes our standards for a speedy fiber

Apr 02, 2026

World's First 10G Internet Network, world record set in

(2) Huawei and China Unicom have activated the network in the Xiong'an area near Beijing. Download speeds reach up to 9,834 Mbps, upload

Jan 14, 2026

China Unicom's ADC Submarine Cable Into Operation, with 8 Pairs of ...

The designed capacity of 8 pairs of optical fibers exceeds 160Tbit/s, which can effectively improve the communication capacity and channel diversification level between major information

Jan 26, 2026

China Unicom and FiberHome Built First C+L Band 400G Test Network

Over the past year, Guangdong Unicom has actively implemented the strategy of building a strong network, accelerated the construction of new information infrastructure, and continued to

Oct 10, 2025

Guide to choose the internet service

Getting internet for your home in China is easy as well. You first need to know what speeds you need (both download and upload), how much you will

Jun 15, 2026

Guide to choose the internet service

Then you will need to choose from one of the three major broadband providers: China Telecom, China Unicom and China Mobile. All you need to do is

Jul 28, 2025

China Unicom

China United Network Communications Group Co., Ltd., doing business as China Unicom, is a Chinese state-owned telecommunications operator. Originally founded in 1994 as a wireless paging and GSM

Jul 25, 2025

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Accelerating the construction of premium broadband network China Unicom continued to promote the construction of broadband premium networks with all-optical access, all-area Gigabit, full-house Wi

Feb 14, 2026

Connectivity

Profile China Unicom earnestly fulfills its political, economic, and social responsibilities. It adheres to the principles of upholding integrity and innovation and focusing on main responsibilities and main

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