

# Feature: 5G is Here

Currently, the development of the global digital economy has entered a new stage featured by cross-sectoral integration and systematic innovation and driven by intelligence. The new generation of information technology represented by 5G is rapidly catalyzing systematic, revolutionary and collective technological breakthroughs and industry changes. While injecting new vitality into economic development, 5G has also opened up vast space for China Mobile to fulfil its social responsibility and create social value. The features of 5G – ultra-high speed, ultra-low latency and ultra-wide connection – provide more ideas and solutions for helping all mankind jointly tackle the challenges of sustainable development. In order to materialize the infinite possibilities brought about by 5G, the Company has launched the “5G+” plan to speed up the integration of 5G into every industry and every walk of life. We aim to drive the gradual but in-depth integration of the ubiquitous intelligent 5G-based infrastructure with people’s pursuit of a better life, industry transformation and upgrade as well as social governance innovation, among other aspects, to contribute to the delivery of more inclusive 5G services accessible to all sectors of society.

## China Mobile “5G+” Plan

### 5G+4G Coordinated Development

**Standard** Headed the development of 61 ITU (International Telecommunication Union) and 3GPP (3rd Generation Partnership Project) international standards, ranking 1st among global telecom operators

**Network** Deployed over 50,000 5G base stations, and officially launched 5G commercial services in 50 cities

**Industry** Conducted large-scale 5G network trials, pursued a comparable level of maturity in the 2.6GHz and 3.5GHz industry chains, and promoted the development of SA (Standalone) end-to-end industry

### 5G+AICDE Integrated & Joint Innovations

**A (Artificial Intelligence)** Officially released the first self-developed AI platform (JIUTIAN) in China, integrating 42 self-developed and external AI capabilities

**I (Internet of Things)** Upgraded OneNET & OneLink platforms’ connectivity, with 160 million OneNET connections and more than 600 million OneLink connections

**C (Cloud Computing)** Planned to build the “N+31+X” nationwide mobile cloud resource pool and deploy 4 centralized IDCs (Internet Data Centers) and 45 provincial-level large-scale IDCs

**D (Big Data)** Processed over 1,100 TB of data per day on the big data platform, and provided comprehensive and agile storage, data and tool opening capabilities

**E (Edge Computing)** Built a hierarchical edge computing system, introduced edge cloud products and developed edge computing service capabilities, and built the largest CDN (Content Delivery Network) in the world and increased the number of distribution websites to 93,000

- June 6, 2019** The Ministry of Industry and Information Technology (MIIT) of China issued the "Fifth Generation Digital Cellular Mobile Communication Service" basic telecom operating permits to four companies including China Mobile
- June 25, 2019** China Mobile officially released "5G+" plan in Shanghai
- October 31, 2019** China Mobile officially launched 5G commercial services, with 5G commercial plans introduced simultaneously
- November 15, 2019** China Mobile proposed five upgrades at the Global Partners Conference, namely deepening intelligent upgrade of network capabilities, facilitating industry transformation and upgrade, promoting the upgrade of information consumption experience, accelerating the upgrade of full-range user services, and achieving the upgrade of the open cooperation ecosystem
- February 29, 2020** The number of China Mobile 5G package customers reached 15.4 million, maintaining an industry-leading position

## 5G+Ecology

### Collaborative Ecology Cultivation

**5G Joint Innovation Center** Constructed 25 open labs with over 500 vertical industry partners

**China Mobile 5G Device Forerunner Industry Alliance** Brought together more than 110 partners, covering fields such as mobile devices, chips, applications, solutions, etc.

**China Mobile IoT Alliance** Attracted more than 1,400 members from 26 industry fields and eight major segments of the IoT industry chain

**China Mobile 5G Industry Digital Alliance** Gathered more than 100 strategic partners, and hosted more than 1,000 product promotion events nationwide

**5G Smart Education Alliance, 5G Industry IoT Alliance, 5G+Video CRBT (Coloring Ring Back Tone) Industry Alliance, 5G Energy Internet Alliance, 5G Agricultural Digital Alliance, 5G Precise Positioning Alliance**

## 5G+X

### Wider Applications

**Tariffs and Devices** Released 5G ToC (customer) and ToH (home) tariff packages (including benefits), as well as 32 5G devices such as 5G smart phones, modules, chips and AR (Augmented Reality)/VR (Virtual Reality) devices

**Customer service** Set up 5G user service seats to provide one-stop convenient service without changing SIMs or numbers and without further registration

**Public application** Carried out large-scale application of 5G Ultra high-definition (HD) real 4K/8K live broadcasting, offering over 30 new industry-pioneering applications

**Industry application** Promoted about 50 5G industry demonstration applications, many of which were the first in their respective industries