

Blocking Chinese Health Devices Hurts American People



By LIANG Yilian & HU Dingkun

Recently, U.S. Senator Rick Scott, chairman of the Senate Special Committee on Aging, and Senator Dave McCormick sent a letter to Federal Communications Commission (FCC) Chairman Brendan Carr, alleging that Chinese-linked wearable health devices pose data privacy risks and raise national security concerns. The senators urged the FCC to investigate such products and consider whether they should be added to the agency's Covered List of prohibited equipment.

Notably, the lawmakers' concerns extend beyond smartwatches, glucose monitors and hearing aids produced by Chinese brands. The letter also targets devices made in other countries that rely on Chinese cellular Internet of Things communication modules.

By overstretching the concept of national security, the senators have launched a highly targeted attack on China's wearable health technology sector. The timing appears carefully calculated. As they acknowledged in the letter, "while many Chinese health wearable devices are not yet widely available in the United States, many Chinese companies are expected to submit competitive bidding applications to the Centers for Medicare and Medicaid Services, risking a flood of U.S.-bound products in the coming years."

Chinese companies already play a major role in the global wearable device industry. According to technology market research firm Omdia, global wear-



Buyers check out exhibits in the smart medical area at the China Import and Export Fair in Guangzhou, south China, October, 2025. (PHOTO: XINHUA)

able device shipments exceeded 200 million units in 2025. Chinese tech giant Xiaomi ranked first worldwide with an 18 percent market share, while Huawei placed third with 16 percent.

Chinese devices are also beginning to gain traction in the U.S. market. The Amazfit Active 2 smartwatch, owned by Chinese company Zepp Health, has received positive reviews from American technology media outlets for its fitness-focused features. Xiaomi's fitness bands have also attracted growing attention on major e-commerce platforms because of their affordability and functionality.

Earlier this year, the U.S. Food and Drug Administration relaxed regulatory requirements for low-risk wearable health devices. Although the intention

was to encourage innovation among U.S. companies, it has also facilitated the entry of related Chinese products into the U.S. market.

The campaign against Chinese wearable devices is particularly puzzling given the growing emphasis in the U.S. on preventive healthcare and chronic disease management. In recent years, U.S. policymakers and public health advocates have increasingly promoted wearable health technologies to encourage healthier lifestyles and improve long-term health outcomes.

Yet affordability remains one of the biggest barriers to adoption, especially among lower-income groups and older adults. Research published in the *Journal of Medical Internet Research* in 2024 found that wearable

device usage in the U.S. declines significantly as income levels decrease.

This is precisely where Chinese products can make a meaningful contribution. Many Chinese wearable health devices are priced at a fraction of their U.S. counterparts, making advanced health-monitoring tools more accessible to consumers with limited incomes. Their availability could help narrow the "digital health divide" and enable more Americans to benefit from modern healthcare technologies.

As for the data privacy and security risks mentioned in the senators' letter, they are entirely fabricated and sensationalized. In recent years, Chinese wearable health devices have sold well around the world, and there has never been a serious data privacy issue with them. However, such problems have occurred repeatedly with similar American products.

For example, in 2025, Apple paid 95 million USD to settle a proposed class action lawsuit after its built-in AI voice assistant Siri was accidentally activated on devices including Apple Watch and secretly recorded user conversations. In 2022, regulators from 40 U.S. states reached a 391.5 million USD settlement with Google over allegations that its devices continued to track location data even after users turned off location settings.

Senators who focus specifically on aging issues should recognize that Chinese wearable health devices can provide cost-effective health services to low-income groups in the U.S., especially the elderly, instead of adopting a blanket opposition to Chinese technology. Suppressing and blocking Chinese wearable health devices will likely end up hurting ordinary American citizens.

Voice of the World

Ecological Protection in China: An Experience Shared Globally

Edited by QI Liming

Carbon emissions lead to climate change, which in turn has a significant impact on biodiversity. In recent years, China has achieved dual success in reducing carbon emissions and protecting biodiversity.

China's CO₂ emissions have now been flat or falling for 21 months as of February 2026 — not because demand stalled, but because clean-power generation has been growing faster than demand, reported Lauri Myllyvirta, co-founder of the Centre for Research on Energy and Clean Air in Helsinki, whose quarterly analyses for UK-based energy research organization Carbon Brief are widely regarded as the benchmark for tracking Chinese emissions.

Renewable energy has become one of the main drivers of China's economic development. According to Carbon Brief, by 2025, solar power, electric vehicles (EVs) and other clean energy technologies contributed more than one-third to China's economic growth and drove over 90 percent of investment growth.

"China's energy transition demonstrates the power of long-term planning," said Espen Mehlum, head of energy at the World Economic Forum (WEF). "Guided by successive Five-Year Plans, the country has improved energy security, sustainability and affordability."

In parallel, it has built globally leading capabilities in clean energy industries such as EVs, batteries and solar manufacturing: progress reflected in its strong performance in the WEF's Energy Transition Index.

The output value of China's clean energy sector reached a record high of 15.4 trillion RMB (2.1 trillion USD) in 2025, accounting for about 11.4 percent of the country's GDP — equivalent to the economy of Brazil or Canada. A February analysis by Carbon Brief stated

that between 2022 and 2025, the actual scale of China's clean energy sector nearly doubled; if treated as an independent economy, it would rank eighth globally.

While making efforts to reduce carbon emissions, China is also cooperating with other countries around the world to jointly carry out biodiversity conservation.

During a biodiversity protection training course for Belt and Road partner countries under the dual carbon framework, officials and experts from countries such as Kenya, Sierra Leone, Sri Lanka, Egypt, Ethiopia, Nepal and Thailand visited Beijing and Sichuan in southwest China. They praised China's achievements in biodiversity protection, saying China's practical experience has broadened the horizon for biodiversity protection work.

Panida Muangmor, who serves in the Thai Ministry of Natural Resources and Environment, said China has effectively implemented a series of policy measures, carried out large-scale ecological restoration projects, and engaged in international cooperation.

"We jointly carried out the protection and restoration of mangroves, promoted knowledge sharing, and established a long-term cooperation mechanism," Panida said.

Garissa, a county in Kenya, has a 50-megawatt photovoltaic power station that is a model of high-quality Belt and Road green energy cooperation between Kenya and China. It is the largest photovoltaic power generation project in East Africa, bringing significant economic, social and environmental benefits to the county and the entire country.

"We look forward to the two countries conducting more cooperation in areas such as green energy, talent cultivation, and joint monitoring, to achieve greater mutual benefit and reciprocity," Abdiladif Haret, director in charge of climate change in Garissa, said.



Egrets in the Chongqing National Wetland Park of China in 2025. (PHOTO: XINHUA)

Tech-finance Synergy Gains Greater Momentum

Opinion

By LI Linxu

Thanks to strong policy support, a favorable market environment and a sound innovation ecosystem, China's capital market and new quality productive forces are reinforcing each other in a two-way synergy, accelerating the deep integration of technological and industrial innovation.

According to China Securities Regulatory Commission's chairman Wu Qing, the technology sector currently accounts for over 30 percent of the A-share market's total market capitalization. Among the listed companies with a market capitalization exceeding 100

billion RMB, tech firms now make up 45 percent. A growing number of high-quality innovative enterprises are efficiently debuting on the A-share market, accelerating the momentum of a two-way embrace and mutual reinforcement between the capital market and new quality productive forces.

The trend is also underscored by a recent report released by global professional services and accounting firm EY. The report reveals that the A-share market exhibits a distinct sectoral divergence driven by new quality productive forces. In the first half of 2026, the A-share market is expected to have 81 initial public offerings (IPOs), raising 105.7 billion RMB. Industrials, technology and materials ranked the top three in the number of IPOs, accounting for 75 percent of the total. As for the fundraising

scale, technology ranked first in the A-share's IPO market.

From an industry perspective, filing companies are highly concentrated in strategic emerging industries, exhibiting a pronounced new quality productive forces profile. Frontier areas such as AI, humanoid robots, advanced semiconductors, new energy storage and innovative biomedicine have become the main filing forces, indicating that the capital market is efficiently allocating resources to sectors with the strongest technological moats and growth potential, effectively boosting self-reliance and strength in science and technology and industrial structure upgrading.

The Beijing Stock Exchange has been established as the primary platform for serving "innovative small and medium-sized enterprises." In the first half of

2026, nearly 50 percent of enterprises chose this segment to apply for listing.

Meanwhile, the multi-level capital market has continued to deepen synergistically. In particular, the comprehensive policy package for the reform of the Shenzhen Stock Exchange's ChiNext Board has officially taken effect, significantly enhancing market inclusivity and vitality.

As EY Greater China IPO leader Terence Ho noted, the technology attribute of the A-share market is becoming increasingly prominent, with capital markets rapidly converging towards sci-tech enterprises. Premium sci-tech enterprises that meet listing requirements are expected to be prioritized in the pipeline, aligning more precisely with the real economy's demand for new quality productive forces.

No-driver Monster Mine Truck Walks Sideways

Hi-Tech

By GONG Qian & XIA Fan

The Shuanglin K7, a pioneer driverless electric-powered mining truck, recently made its debut in Shanghai.



The Shuanglin K7, a pioneer driverless electric-powered mining truck. (COURTESY PHOTO)

Equipped with a Level 4 autonomous driving system and boasting outstanding maneuverability, the 248-tonne vehicle is capable of moving sideways like a crab and performing in-situ U-turns. The truck's cutting-edge distributed electric drive steer-by-wire corner module system enables its groundbreaking performance, which integrates driv-

ing, braking, steering and suspension systems into the wheel assembly, making the independent steer-by-wire and control on all wheels possible. According to developers Shuanglin Co., Ltd. and Tsinghua University, this colossal truck, measuring 17.79 meters in length, 5.7 meters in height and 5.2 meters in width, is the first of its kind. "Traditional mining trucks spend much time making U-turns on narrow loading and unloading platforms, while facing blind-spot risks. The corner module system endows vehicles with crab-walking and center-point steering capabilities, greatly improving operational flexibility and site adaptability in complex environments," said Professor Huang Jin from the School of Vehicle and Mobility, Tsinghua University.

According to the manufacturer, the vehicle supports 24/7 autonomous

operations thanks to its ultra-fast battery swapping, which takes only five minutes to change. It can also convert up to 85 percent of kinetic energy back into stored electricity via the regenerative braking system.

Powered by multi-sensor fusion perception and intelligent algorithms, the K7 supports all-weather unmanned transportation, automatic platooning and following, as well as precise automatic docking and loading/unloading with electric shovels and crushing stations.

Projections show that the K7's grouped unmanned operations can boost transport efficiency by 35 percent, reduce mine accidents on site by 90 percent, and cut full-lifecycle maintenance and tire costs by around 25 percent, compared to traditional diesel machinery.

Chinese Solutions Empower Malaysia's Rehabilitation System

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The center's opening event offered a glimpse into the future of rehabilitation and clinical care through live humanoid demonstrations. The GRx showcased its capabilities in fitness routines, and its potential role in supporting occupational therapy in clinical research settings.

Together, these applications highlighted the expanding role of humanoid robotics in patient care, with future possibilities spanning mobility assistance, ward patrols, and patient companionship.

Beyond deploying advanced rehabilitation technologies, Fourier and PERKESO have reaffirmed their shared commitment to innovation through collaborative R&D initiatives. They will invest in R&D across multimodal robotics, embodied AI, and emerging rehabilitation technologies including brain-computer interfaces, functional electrical stimulation and virtual reality.

"Embodied AI is still evolving rapidly. Our true aspiration is to work alongside global peers to drive the maturity of this technology within real-world scenarios," said Gu.