

NEWSLETTER

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China achieves breakthrough in next-gen optical computing chip

Researchers at Shanghai Jiao Tong University developed LightGen, a full-optical chip supporting large-scale semantic generative AI. It integrates over a million optical neurons per chip, enabling high-resolution image, 3D, and video generation with efficiency far surpassing top digital chips. The breakthrough offers commercial potential in AI-driven media, content creation, and high-performance computing solutions. **(CCTV)**

China's telecom sector reports steady growth in first 11 months

China's telecommunications industry recorded steady growth from January to November, with combined revenues reaching 1.61 trillion yuan (about \$228 billion), up 0.9% year on year, official data showed. By late November, China had 4.83 million 5G base stations and 1.19 billion 5G users, accounting for 65.3% of total mobile subscribers. **(Ministry of Industry and Information Technology)**

China core AI industry scale exceeds 1 trln yuan in 2025

China's core artificial intelligence industry surpassed 1 trillion yuan (about 142 billion U.S. dollars) in 2025, reflecting breakthroughs in industrial technological innovation, a national industry conference said on Friday. High-tech and equipment manufacturing value added grew over 9 percent year on year, while policy support will continue to expand AI research, integrated circuits, aerospace and other emerging industries. **(Xinhua)**

Over 700 generative AI large model products complete filing in China

China has completed regulatory filings for over 700 generative AI large-model products, the Cyberspace Administration of China said. During 2021–2025, internet penetration rose from 70.4% to 79.7%, while rural online retail sales exceeded 2.5 trillion yuan (about 355 billion U.S. dollars) in 2024, up 43%, reflecting rapid digital and AI-driven development nationwide. **(People's Daily)**

China's AI shift moves from screens to shop floors

China's artificial intelligence adoption is accelerating from digital applications to factory floors, driving smart manufacturing upgrades. AI-enabled robots, sensors and algorithms now optimize production in "dark factories," boosting efficiency and quality. China accounted for over half of global industrial robot installations in 2024. The core AI industry is expected to exceed 1.2 trillion yuan (about 170 billion U.S. dollars) in 2025. **(Xinhua)**