Cambodia imports fiber optic cables for smart buildings



Overview

WCFO Expands Cambodia Fiber Optic Cable Capacity Amid AI Hong Kong manufacturer WCFO announces plans to build a new factory in Cambodia, aiming to roughly.

Key Takeaways

Cambodia is actively expanding its fiber optic network, including in-building deployments, to support smart buildings and nationwide digital connectivity.

National Fiber Optic Expansion

Cambodia has significantly increased its fiber optic infrastructure over the past five years, with the network doubling from under 20,000 km in 2020 to over 40,000 km in 2025. This expansion includes both terrestrial and submarine cables, with new international links connecting Cambodia to Hong Kong, enhancing redundancy and bandwidth capacity. The total international bandwidth has grown to nearly 900 Gbps, while cross-border terrestrial bandwidth has tripled to over 1.

7 Tbps, supporting high-speed internet and smart building applications.

Key Players and Partnerships

The Cambodia Fiber Optic Communication Network (CFOCN) is a major provider of fiber infrastructure, operating alongside other licensed networks such as Viettel Cambodia and Telecom Cambodia.

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CFOC

N has partnered with Smart Axiata to enhance internet connectivity, ensuring reliable fiber-optic transmission for both urban and rural areas. These partnerships facilitate the deployment of high-capacity fiber networks that can support smart building technologies, including IoT systems, automated controls, and high-speed data services.

In-

Building Fiber Services

Private companies like Angkor Data Infrastructure provide licensed in-building fiber optic cable services, covering planning, implementation, leasing, and maintenance for commercial and residential buildings. This enables smart buildings to integrate advanced digital systems, including energy management, security, and communication networks, leveraging the national fiber backbone for connectivity. Ongoing Projects and ApprovalsCFOCN has proposed underground fiber optic cable expansions across nine provinces, including Kandal, Kampot, and Sihanoukville, to extend high-speed internet to less developed regions.

These projects involve careful planning to ensure compliance with public infrastructure regulations and long-term safety and efficiency. Previous AIIB-funded projects have also supported the development of fiber backbones and metro networks, improving both outdoor and indoor coverage for telecom services.

Implications for Smart Buildings

The combination of national fiber expansion, strategic partnerships, and in-building fiber services positions Cambodia to support smart building initiatives effectively. High-speed, reliable fiber connectivity enables advanced building automation, IoT integration, and digital services, aligning with the government's vision for a digital nation and sustainable urban development.

Article Content

WCFO Expands Cambodia Fiber Optic Cable Capacity Amid AI

□□ Key Takeaways # Hong Kong manufacturer WCFO announces plans to build a new factory in Cambodia, aiming to roughly double local fiber optic cable component production capacity

WCFO Expands Optical Cable Production in Cambodia to Meet AI

The expansion underscores the growing need for high-bandwidth fiber optic networks to support data centers and AI applications. Cambodia''s lower costs and trade advantages have

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Optical cable maker WCFO to add Cambodia capacity amid AI boom

HANOI -- Hong Kong manufacturer WCFO will roughly double production capacity for fiber-optic cable components in Cambodia to meet rising demand for data centers as the boom in investment related ...

Telcotech | Home

Founded in 2007, Telcotech Ltd has been a Telecommunication Infrastructure and Associated Services Provider, a part of the Royal Group of Companies in Cambodia. With a 30,000-kilometer-long fiber

Optical Cable Maker WCFO Expands Cambodia Capacity to Meet AI

WCFO, an optical cable manufacturer, is reportedly adding production capacity in Cambodia, responding to surging demand for fiber-optic infrastructure fueled by the artificial

CFOCN Proposes Underground Fibre Optic Cable Expansions In 9

The project proposal submitted by CFOCN involves the drilling and installation of underground fibre optic cables across Kandal, Kampot, Kampong Speu, Kampong Thom, Kep,

US$165M Hong Kong -Phnom Penh Submarine Cable to Complete in

The Hong Kong-Phnom Penh submarine fiber-optic cable project, valued at over US$165 million and spanning 2,715 kilometers, is set to be completed in 2024, addressing Cambodia''s

ENC W&W Co., Ltd. – Your wire and wireless solutions

ENC W&W Co., Ltd., based in Phnom Penh, Cambodia, partners with top Chinese manufacturers to distribute premium fiber optical cables and services the state grid projects in ASEAN region.

Cambodia: Fiber Optic Communication Network Project

By building out the fiber optic cable backbone and the metro network across the country, the project is expected to support increased access to telecom services in both rural and urban areas.

Cambodia Fiber Optic Cable Market (2025-2031) | Forecast & Share

Cambodia Fiber Optic Cable Market Size Growth Rate The Cambodia Fiber Optic Cable Market is likely to experience consistent growth rate gains over the period 2025 to 2029. From 6.39% in 2025, the

Fiber Optic Connector Imports in Cambodia

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Analyze 123 Fiber Optic Connector import shipments to Cambodia till Feb-25. Import data includes Buyers, Suppliers, Pricing, Qty & Contact Phone/Email.

Website archive on Cambodia-Hong Kong fiber optic cable to be

This web archive captures the information of the Cambodia-Hong Kong fiber optic cable to be ready by July 2025. The development by the Unicom company, which has experience in this sector and will...

Cambodia LDC Broadband Study

Despite a coastline of over 400 kilometers, Cambodia only recently connected to submarine cable. Instead, international Internet bandwidth is accessed over cross border terrestrial fiber optic ...

Cambodia Fibre Optic Cable Market (2025-2031) | Trends, Outlook

6Wresearch actively monitors the Cambodia Fibre Optic Cable Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and forecast outlook.

IT & Communications in Cambodia

In 2019, China''s Huawei announced a plan, in partnership with China Communications Construction Co, to install an undersea fiber-optic communications cable connecting Sihanoukville

The best Internet service providers in Cambodia

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Fiber optic products Imports in Cambodia

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fiber-optic cable | Open Development Cambodia (ODC)

With a loan from Japan, the government will begin laying more than 400 km of fiber-optic cable early next year to connect Phnom Penh with five provinces, the Ministry of Post and Telecommunications

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