

Fiber Optic Communication in Papua New Guinea



Overview

Fiber Optic Coverage and Internet Usage Statistics in Papua New Comprehensive 2026 statistics on fiber optic coverage and internet usage in Papua New Guinea.

Key Takeaways

Papua New Guinea's fiber optic network combines international submarine cables and extensive domestic networks, significantly improving connectivity and digital access across the country. International Submarine Cables

The Coral Sea Cable System (CS2) is a 4,700 km submarine fiber optic cable linking Port Moresby, PNG, and Honiara, Solomon Islands, to Sydney, Australia. It provides a capacity of up to 40 Tbps using Dense Wavelength Division Multiplexing (DWDM) technology and 100G repeaters, enabling faster, more reliable, and affordable internet connectivity for PNG and the Solomon Islands . Constructed by Vocus Communications and Alcatel Submarine Networks, CS2 was completed in late 2019 and has been instrumental in supporting economic and social development . Additionally, Australia is funding new undersea cables in PNG, built by Google under the Pukpuk Treaty. These projects aim to link northern and southern PNG, including the Bougainville autonomous region, enhancing the national digital backbone and regional connectivity . The investment, totaling over A\$450 million, reflects a strategic partnership to improve digital infrastructure and regional stability .

Domestic Fiber Network



PNG DataCo operates over 12,000 km of fiber optic cables across the country, covering 44 districts via fiber and 23 districts via satellite, achieving a 70-80% district connectivity rate . The network includes three data centers, 51 satellite infrastructures, and five international Points of Presence (PoPs) in Australia, Guam, Hong Kong, and Indonesia, providing access to Tier 1 upstream internet services . This extensive domestic network has reduced latency, increased availability, and lowered costs for wholesale telecommunications and digital services. PNG DataCo is also expanding connectivity through carrier-neutral towers, aiming to build 500 towers over three years to fill gaps where commercial mobile operators cannot reach, further enhancing broadband access and adoption .

Impact and Future Outlook

The combination of international submarine cables and domestic fiber networks has transformed PNG's telecommunications landscape. Businesses, educational institutions, and individuals now have access to faster, more reliable internet, opening opportunities for economic growth, digital services, and global connectivity . Ongoing projects, including Google's undersea cables and DataCo's network expansion, are expected to further strengthen PNG's digital infrastructure, bridging connectivity gaps and supporting national development .

Article Content

Fiber Optic Coverage and Internet Usage Statistics in Papua New

Comprehensive 2026 statistics on fiber optic coverage and internet usage in Papua New Guinea, highlighting infrastructure growth

Current Status of Fiber Optic Communication in Papua New Guinea

Work is underway to lay high speed telecommunication cables from Australia to Papua New Guinea and Solomon Islands, including

Papua New Guinea Fiber Optic Cable Construction

The 4700 km Coral Sea Cable System is a 40Tbps submarine fibre optic cable that brings next-generation connectivity to the people

Coral Sea Cable System (Australia Papua New Guinea Solomon

Project highlights The Coral Sea Cable System (CS2) is a 4,700 kilometre (km)-long fibre optic submarine telecommunications cable,

East Coast Group Ltd

East Coast NetLink provides fiber optics connectivity solutions for businesses and organizations in Papua New Guinea. We offer high

Current Status of Fiber Optic Communication in Papua New Guinea

Trusted Fiber Optic Contractor Papua New Guinea From high-speed internet rollouts in urban centers to connectivity solutions in

DataCo expands network in PNG | PNG DATACO LIMITED posted on

After 10 years in operation, DataCo has grown to operate and maintain an extensive network of over 12,000km of fiber optic cable,

Leading Fiber Optic Supplier Papua New Guinea

In today's fast-moving digital world, high-speed connectivity is essential for economic growth, communication, and access to

Trusted Fiber Optic Contractor Lae

Trusted Fiber Optic Contractor Lae As digital infrastructure continues to expand in Papua New Guinea, Lae is emerging as a vital

What is driving enhanced ICT services in Papua New Guinea?

The laying of two subsea fibre-optic cables – one international and one domestic – are among the recent and promising ICT

How PNG is achieving faster, more reliable internet access

A new submarine fibre-optic cable network is already boosting Papua New Guinea's internet speeds and ICT capacity in some

PNG DataCo Coverage – PNG DataCo

DataCo operates and maintains an extensive network of over 12,000km of fiber optic cable both internationally and locally. In

Contact Us

Continue your research online:

Website: <https://coetzerinvestments.co.za>

Technical inquiry: <https://coetzerinvestments.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

