

South Africa High-Speed Optical Connectivity 10G



Overview

Chinese telecommunications giant ZTE is looking to partner with local fixed network operators, with the plan to launch commercial 10GB-capable symmetric passive optical network (XGS-PON) services in major cities of South Africa. The imminent rollout of the products follows the successful deployment and testing of Octotel's 1-10Gbps XGS-PON. Our solutions are used in metro and regional network applications that increasingly rely on data center services and specifications. Smartoptics is a Scandinavian company founded in 2006. With its. [Johannesburg, South Africa, December 8, 2025] South Africa's national broadband infrastructure company Broadband Infraco (BBI) has partnered with Huawei to build a national intelligent all-optical backbone network. The network directly supports the goals of South Africa's national broadband. BBI has utilized Huawei's Optical Cross-Connect (OXC) technology to deliver high-speed, flexible transmission with 800G wavelengths across its network—a leap that will support the vast expansion of broadband access networks envisioned under SA Connect. Fibertime will quickly connect the next 1. 5 million customers leveraging Nokia's Lightspan FX Optical Line Terminals (OLTs) and Wi-Fi 6 enabled Optical.



Article Content

Jul 18, 2025

FibreCo ADVA Optical Networking deploying High-Capacity Connectivity

South Africa's FibreCo Telecommunications has selected ADVA Optical Networking to enable its roll out of high-bandwidth services across South Africa. The operator will harness ADVA

May 10, 2026

Vumatel to launch 10Gbit/s home fibre in South Africa

South African home broadband users will soon be able to get 10Gbit/s fibre thanks to a new offering from Vumatel, which will be commercially available

Jan 17, 2026

Huawei collaborates with BBI in Building an Intelligent All-Optical ...

The network will also support South Africa's new optical fibre route, which connects Johannesburg to the Kopfontein border, thereby strengthening high-speed cross-border connectivity

Aug 29, 2025

Optical Transceiver Market Size, Share, Trends

The global optical transceiver market size is projected to grow from \$17.15 billion in 2026 to \$46.12 billion by 2034, exhibiting a CAGR of 17.00%

Nov 30, 2025

Vuma and Huawei partner on new tech that supports

As one of South Africa's largest FTTH providers, this partnership should prove significant, both for Huawei and Vuma's customers wanting access

Jul 03, 2025

Fiber To The Premises (FTTP) Market Size, Share Analysis 2026

Fiber to the premises (FTTP) enables high-speed internet connectivity by delivering data directly through optical fiber to homes and businesses, ensuring faster, more reliable, and low-latency internet

Jan 14, 2026

South Africa: ZTE to provide 10GB optical networks across SA cities

Chinese telecommunications giant ZTE is looking to partner with local fixed network operators, with the plan to launch commercial 10GB-capable symmetric passive optical network (XGS-PON) services in

Dec 12, 2025

Vuma and Huawei Jointly Launch Industry's First 50G

This month, Vuma, South Africa's largest fiber to home (FTTH) provider, announced the integration of next-generation fiber technology and

Apr 21, 2026

South Africa's Fibre Revolution In 2025

Discover the game-changing advantages of fibre-optic technology in South Africa, from lightning-fast speeds to enhanced reliability. Unlocking

May 17, 2026

Vuma and Huawei partner on new tech that supports

Vuma has announced the integration of next-gen FTTH technology through its latest partnership with Huawei. It will see the first deployment of high

Mar 22, 2026

Huawei collaborates with BBI in Building an Intelligent All-Optical ...

BBI has utilized Huawei's Optical Cross-Connect (OXC) technology to deliver high-speed, flexible transmission with 800G wavelengths across its network—a leap that will support the

Mar 19, 2026

Big change for home fibre speeds in South Africa -

Octotel is set to become the first open-access fibre network to launch 1-10Gbps XGS-PON Services in South Africa.

Aug 08, 2025

Nokia and Fibertime expand broadband access across South Africa's ...

Fibertime will quickly connect the next 1.5 million customers leveraging Nokia's Lightspan FX Optical Line Terminals (OLTs) and Wi-Fi 6 enabled Optical Network Terminals (ONTs). Nokia's technologies

Dec 15, 2025

Passive Optical Network (PON) Market Size, Share

Asia Pacific dominated the passive optical network (PON) market with a market share of 50.30% in 2025. A Passive Optical Network (PON) is a fiber

Jul 01, 2025

Vuma and Huawei team up to launch industry first ...

At the Huawei Eco-Connect sub-Saharan Africa 2023 launch event, President of Huawei Optical Business Product Line, Richard Jin, gave a keynote speech that mentioned that Huawei's vision for

Jan 03, 2026

South Africa's research and education network boosts infrastructure

In addition to this, in a move to ensure scalable and sustainable high-speed connectivity to research and education in South Africa, SANReN decided to directly acquire the dark fibre

Jun 01, 2026

Broadband Infraco and Huawei Partner to Build South

The network will also support South Africa's new optical fibre route, which connects Johannesburg to the Kopfontein border, thereby strengthening

Aug 20, 2025

South Africa's Fibre Revolution In 2025

South Africa's Fibre Revolution in 2025: Infrastructure, Providers, and What Resellers Need to Know Discover the game-changing advantages of fibre

Dec 19, 2025

Africa Analysis Team CC

Africa's broadband market continues to evolve at a rapid pace, supported by the increasing consumer demand for high-speed broadband services. According to TeleGeography's market data, fixed

Dec 14, 2025

ZTE to provide 10GB optical networks across SA cities

The Chinese multinational plans to launch commercial 10GB-capable symmetric passive optical network services in the major cities of South Africa.

Oct 08, 2025

Optics Transceiver Module Market 2025

Market Leaders Invest in High-Speed Connectivity Solutions to Meet Rising Demand
The global optics transceiver module market features a diverse competitive environment, blending established

Jun 12, 2026

Third-Party Optical Transceivers Market Report 2025 with Growth ...

Third-Party Optical Transceivers Market Third-Party Optical Transceivers Market
Dublin, May 28, 2025 (GLOBE NEWSWIRE) -- The "Third-Party Optical Transceivers
Market by Data Rate,

Jul 19, 2025

Passive Optical Splitter Market: 2024 Share & Growth Analysis

These initiatives demand ubiquitous, high-speed, and reliable network connectivity, often delivered through fiber optic networks. Passive optical splitters play a crucial role in distributing the

Jul 25, 2025

Optical Network Unit ONU Market Growth Drivers & Trends 2035

The surge in demand for high-speed internet connectivity across various regions globally is a significant driver propelling the growth of the Global Optical Network Unit (ONU) Market.

Jul 18, 2025

Pluggable Optical Module Market Research Report 2034

The pluggable optical module market was valued at \$9.8 billion in 2025 and is projected to reach \$26.4 billion by 2034, growing at a CAGR of 11.6%.

Oct 31, 2025

Teraco trailblazes high-speed African connectivity with Smartoptics

Africa". "Africa's coastal regions are seeing huge new waves of subsea capacity, but getting that bandwidth inland efficiently is the next big challenge. Teraco's investment shows how

Jun 14, 2026

Optical Transceiver Market Report: Size, Growth,

The optical transceiver market is a linchpin of modern digital infrastructure, experiencing robust growth driven by an ever increasing global demand for data

May 20, 2026

Optical Module Package Market 2025

Modern AI clusters require low-latency, high-density optical connectivity, leading to rapid adoption of 400G and 800G modules. Major cloud service providers are expected to account for 65% of all high

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