

South Africa 800G Optical Router



Overview

Huawei and MTN Group have recently joined hands to deploy an 800G optical network solution in South Africa. MTN South Africa has completed the upgrade of its domestic backbone to 800G with vendor Huawei. The links were set up with single fibre capacity of 48Tbps, to connect data centres in Johannesburg, Durban and Cape Town. The operator has utilized Huawei's optical transport solutions, including its. 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. This pioneering endeavor ushers in an era of eco-friendly and dependable networks, enhancing Africa's digital. MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step towards green and reliable networks that boost digital and sustainable development of Africa. The 800G links were set up, with single fiber capacity of 48Tbps, to connect MTN South Africa, in partnership with Huawei, has recently announced the rollout of Africa's first large-scale 800G optical network, in an effort to move towards an eco-friendly and dependable network, set to create sustainable growth across the continent. The project, announced 8 December 2025, is part of the government's SA Connect.



Article Content

Jul 16, 2025

In South Africa, Huawei builds 800G fiber optic network for MTN

South African telecoms company MTN South Africa has partnered with Chinese technology company Huawei to deploy an 800G fiber optic network. The network is made up of fiber

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MTN South Africa, Huawei Achieve Africa's First 800G

MTN South Africa and Huawei have achieved a landmark feat by successfully deploying Africa's first large-scale 800G optical network. This

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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

Nov 20, 2025

MTN South Africa and Huawei Launch Africa's First 800G Optical

MTN South Africa and Huawei have successfully executed the continent's inaugural large-scale implementation of an 800G optical network as of February 6, 2024, in Johannesburg,

Jun 29, 2025

TX-W6961N | N300 Wireless GPON Router | TP-Link South Africa

Make Fiber-to-the-Home Yours TP-LINK's N300 Wireless GPON router TX-W6961N is a Gigabit Passive Optical Network (GPON) terminal, ideal for Fiber-to-the-Home solution, allowing users to access high

Jul 25, 2025

MTN South Africa and Huawei Launch Africa's First 800G Optical

MTN South Africa and Huawei deployed Africa's first 800G optical network, connecting data centers in Johannesburg, Durban, and Cape Town. This boosts network reliability, supports

Jul 20, 2025

MTN South Africa and Huawei Completed Africa's First Scale

Posted On: 2024-02-12 Others Pivotal Sources South Africa, Feb. 12 -- MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step

Jan 23, 2026

MTN South Africa and Huawei Completed Africa's First Scale

MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step towards green and reliable networks that boost digital and ...

May 26, 2026

MTN South Africa and Huawei complete 800G optical network

MTN South Africa has completed the upgrade of its domestic backbone to 800G with vendor Huawei. The links were set up with single fibre capacity of 48Tbps, to connect data centres in

Apr 26, 2026

Africa's first 800G network

MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step towards green and reliable networks that boost digital and

Feb 10, 2026

MTN South Africa and Huawei complete 800G optical network

MTN SA began working on upgrading its backbone network with Huawei around 2022. In that year the two completed the first commercial trial of single-wavelength 800G with Huawei in

Nov 11, 2025

Huawei-BBI build 800G all-optical backbone in South Africa

Visualization of the 800G all-optical backbone built by Huawei and BBI in South Africa. The network promises high-speed, flexible 800 G

Apr 18, 2026

MTN South Africa, Huawei Partner to Deploy 800G

MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step towards green

Jul 24, 2025

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

South Africa's national broadband infrastructure company Broadband Infraco (BBI) has partnered with Huawei to build a national intelligent all-optical backbone network.

Apr 11, 2026

Good news for 5G router prices in South Africa –

South Africa's 5G router prices have reduced significantly in 2024. The development of 5G customer premise equipment (CPE) was dealt a major

Mar 20, 2026

Best Fibre Routers

We combined several top review sites to show you the best list of routers according to the internet.

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10 Best Router For Fibre South Africa

Are you looking for the best router for fibre in South Africa? Fibre internet is growing in popularity across South Africa, and with it comes the need for a quality router

Dec 21, 2025

MTN South Africa and Huawei Completed Africa's First Scale

[Johannesburg, South Africa, Feb 6, 2024] MTN South Africa and Huawei have completed Africa's first scale deployment of an 800G optical network, marking a significant step towards green and reliable

Jun 15, 2026

MTN South Africa Partners with Huawei for 800G

MTN South Africa, in partnership with Huawei, has recently announced the rollout of Africa's first large-scale 800G optical network, in an effort to move

Feb 28, 2026

Huawei and MTN Group completes 800G optical

Huawei and MTN Group have recently joined hands to deploy an 800G optical network solution in South Africa. Both parties aim to enhance the

Sep 22, 2025

Huawei: MTN South Africa and Huawei complete 800G optical ...

Data centre connect network links Johannesburg, Durban and Cape Town MTN South Africa has completed the upgrade of its domestic backbone to 800G with vendor Huawei. The links were set up

Feb 23, 2026

MTN & Huawei Break Transmission Speed Record in First

MTN South Africa & Huawei completed the first commercial trial of single-wavelength 800G with Huawei, breaking the transmission speed record in the region.

Contact Us

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