

South Africa

Purchasing Backhaul

Summary of who owns the physical high-speed networks that form the backbone of the country's internet, along with how those networks interconnect internationally.

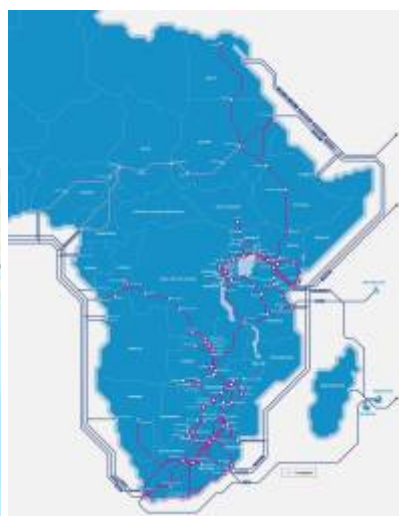
Fibre networks and fibre network operators

Commercial, NREN, Government, etc

Operator	Website	Km of Fibre	Services	Email	Telephone
Balwin Fibre	https://www.balwinfibre.co.za/		FTTH		
Celerity Networks	https://www.celerity.africa/		FTTH	info@celerity.africa	+27 (0)11 056 5118
Broadband Infraco	https://infraco.co.za/	14,863	Backhaul	info@infraco.co.za	+27 11 235 1600
Clear Access	http://clearaccess.io/		FTTH	web	
MTN (Bayobab)	https://bayobab.africa/	23,000	Backhaul	web	
Vodacom Business	https://www.vodacombusiness.co.za/business/solutions/carrier-services	33,000	Backhaul	web	
Frogfoot	https://www.frogfoot.co.za/		Backhaul	web	
Liquid Intelligent Technologies	https://za.liquid.tech/	21,000	Backhaul	support@liquid.tech	+27 11 585 0000
OpenServe	https://openserve.co.za/	165,900	Backhaul	web	
Vumatel		18,000	Backhaul/FTTH		010 746 8862
Seacom / Wondernet	https://wondernet.co.za/office/how-to-use-our-coverage-map-to-check-if-fibre-is-available-in-your-area/	4,000	Backhaul	info@seacom.com	+27 861 855 855
Dark Fibre Africa	https://dfafrica.co.za/	14,000	Backhaul	info@dfafrica.co.za	+27 12 443 1000
Metro Fibre	https://metrofibre.co.za		Backhaul	sales@MetroFibre.co.za	+27 87 151 4000

Sources for fibre distances

- <https://whichvoip.co.za/the-biggest-fibre-networks-in-south-africa/>
- <https://mybroadband.co.za/news/fibre/328283-what-south-africas-fibre-networks-look-like.html>





National Research and Education Network



- [TENET](#)
- [SANREN](#)

South Africa's NREN is divided between two organisations: TENET and SANREN. TENET is the operational arm of the NREN owned by the universities themselves and SANREN is the government side of the NREN providing infrastructure funding and other services.

Satellite operators

Summary of satellite services available in the country

Industry Associations

[ISPA](#) - Internet Service Providers Association

ISPA is a non-profit industry body facilitating exchange between the different independent Internet service providers, [ICASA](#) and other government structures, operators and other service providers in South Africa.

[WAPA](#) - Wireless Access Providers Association of South Africa

WAPA is a non-profit trade association acting as a collective voice for the wireless industry in South Africa.

Internet Exchange Points

- [JINX](#) - Johannesburg Internet Exchange

- Locations:
 - Africa Data Centres, Midrand
 - Africa Data Centres, Samrand
 - Digital Parks Africa, Samrand
 - Dimension Data, Parklands
 - Hetzner, Samrand
 - NTT JOH1, Centurion
 - Teraco, Isando
- [CINX](#) - Cape Town Internet Exchange
 - Locations:
 - Africa Data Centres, Diep Rivier
 - Dimension Data, Bree Street
 - Teraco, Newlands

Building Backhaul

Suppliers

- Vulatel <https://www.vulatel.co.za/our-footprint/>
- FibreUp <https://fibreup.com/network-teams/>

Fibre

Wireless

- [Scoop](#) - Ubiquiti, Mikrotik, Cambium, Mimosa, Radwin
- [Miro](#) - Ubiquiti, Mikrotik, Cambium
- tech.co.za - Ubiquiti, Mikrotik, Cambium

Other

Costs

Where available, typical construction costs

Regulatory Issues




Licensing

Rights of Way

Other considerations

Mapping Backhaul



Points of Interest				
id	symbol	latitude	longitude	description
1		-29.5°	24.6°	Pont de Barbouillons; Daverdisse external link:
		GeoJSON track: telkom south africa.geo		
Telkom				

Maps of network infrastructure nationally Combined map of fibre networks, IXPs, CDNs, et al Open data GIS downloadable version. IXPs, CDNs, and Datacentres Locations of IXPs, CDNs, and datacentres in the country Contact details

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<https://policy.communitynetworks.group/> - Policy and Regulation for Community Networks

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