

# 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.

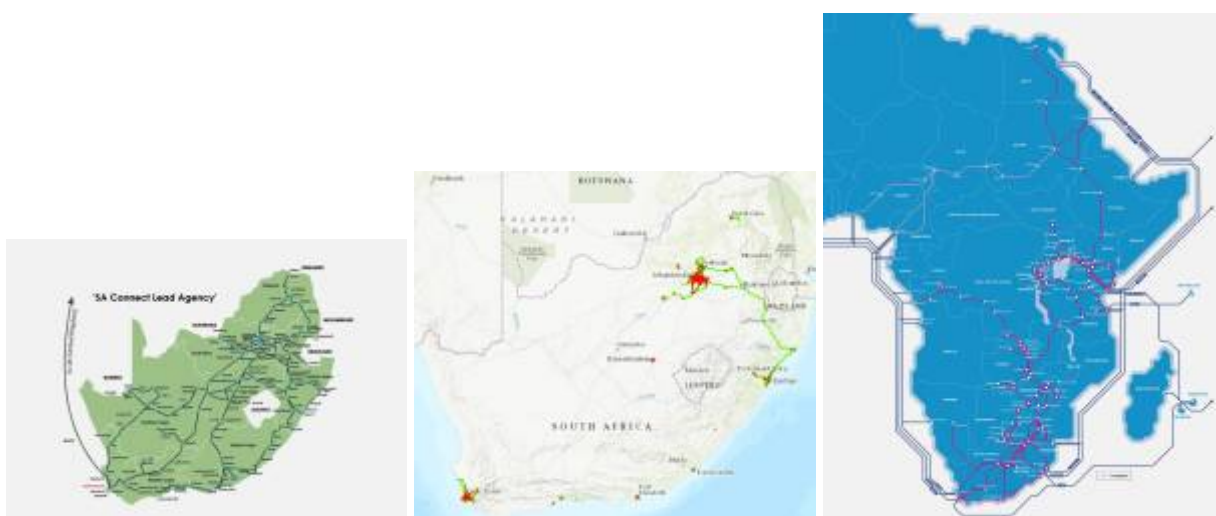
### Fibre networks and fibre network operators

Commercial, NREN, Government, etc

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



## Points of Interest

id	symbol	latitude	longitude	description
1		-26.145923 <sup>o</sup>	28.036987 <sup>o</sup>	JINX Parklands (PKL) 7-9 Keyes Avenue, Rosebank, Johannesburg
2		-25.927588 <sup>o</sup>	28.140752 <sup>o</sup>	JINX Samrand (SMR) 21 Landmarks Avenue, Samrand, Johannesburg
3		-33.918685 <sup>o</sup>	18.420475 <sup>o</sup>	CINX Bree Street (BRE) 34 Bree Street, Cape Town CBD

- **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
    - Dimenson Data, Bree Street
    - Teraco, Newlands
- **DINX** - Durban Internet Exchange
  - Locations:
    - IS Umhlanga
    - Teraco, Riverhorse Valley
- **NMBINX** - Nelson Mandela Bay Internet Exchange
  - Location:
    - Dimension Data, Newton Park

## Building Backhaul

### Suppliers

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

### Fibre

### Wireless

- **Scoop** - Ubiquiti, Mikrotik, Cambium, Mimoso, 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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Permanent link:

<https://policy.communitynetworks.group/backhaul-profiles/south-africa?rev=1732733778>

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