



CONNEXIFI
GLOBALLY CONNECTED

PRODUCT & CAPABILITY OVERVIEW

One connection. Endless possibilities.

Carrier-neutral connectivity, Layer 2 aggregation, internet, managed networking, mobility and communications - brought together through one partner.



Internet



Layer 2



SD-WAN



Mobile



Voice

The ConnexiFi Service Ecosystem



ConnexiFi brings together multiple access networks, high-capacity interconnects and managed services so customers and partners can build complete solutions without managing each carrier or technology in isolation.

01

Internet Connectivity

Fibre, business broadband, dedicated access, fixed wireless and 5G.

02

Layer 2 & Aggregation

Point-to-point, backhaul, NNI and multi-carrier aggregation services.

03

IP Transit

Wholesale internet transit and data-centre interconnect options.

04

SD-WAN & Security

Secure multi-site networking, policy control, failover and visibility.

05

Mobile APN

Managed SIM, pooled mobile data and public or private APN solutions.

06

Voice

SIP trunks, number porting, devices and cloud voice services.

07

Managed Services

Monitoring, reporting, incident coordination and SLA-aligned support.

08

WiFi, Cloud & Custom

Public WiFi, cloud/hosting and tailored network solutions.

Internet security built in: ConnexiFi internet products are protected by NexusGuard DDoS protection as part of the wider service architecture.

Business Internet & Fibre



Connectivity can be matched to the site and application rather than forcing every location onto a single access technology or carrier.

Service families

- Business broadband for cost-sensitive sites and general business internet.
- Symmetric Business Fibre / 1:1 services for higher service-grade requirements.
- Dedicated internet and enterprise access for critical applications and controlled performance.
- FTTB / precinct products where building-specific carrier infrastructure is available.

How ConnexiFi adds value

- Multi-carrier feasibility from a single request.
- Product selection based on service grade, availability, term and site requirements.
- Primary and backup combinations using different carriers or access media.
- Optional integration with Layer 2, SD-WAN, voice and managed services.
- All ConnexiFi internet products are protected by NexusGuard DDoS protection.

NexusGuard DDoS Protection



- DDoS mitigation protects ConnexiFi internet services against malicious traffic and attack events.
- Traffic filtering helps preserve service availability and reduces the impact of volumetric or protocol-based attacks.
- Protection is applied across business broadband, fibre and dedicated internet services delivered by ConnexiFi.

TYPICAL OPTIONS

DFA

Liquid

MetroFibre

Link Africa

Openserve

MTN

Various Precincts

DESIGN NOTE

Business broadband and dedicated / 1:1 products have different contention, SLA and usage rules. The solution should be selected according to the required service outcome, not bandwidth alone.

Fixed Wireless & 5G



Wireless access extends the portfolio beyond fibre, providing practical options for sites where fibre is unavailable, delayed or where an independent backup path is required.

Fixed wireless options

- Business broadband wireless for general site connectivity.
- Enterprise and point-to-point wireless for higher service-grade applications.
- Line-of-sight feasibility and site survey workflows where required.
- Suitable as primary access, interim connectivity or carrier-diverse backup.

5G business access

- Business 5G fixed-wireless packages subject to network coverage.
- Capped and uncapped/FUP package structures depending on use case.
- Options using customer-owned or supplied 5G CPE.
- Useful for rapid activation, branch connectivity and backup connectivity.

TYPICAL OPTIONS

Comsol

VO Connect

Kliq Wireless

MTN Business 5G

DESIGN NOTE

Wireless feasibility is inherently location-specific. Coverage, line of sight, distance and local network capacity determine which product is appropriate.



Layer 2 Backhaul and Aggregation

Layer 2 services provide transparent transport between customer, carrier and ConnexiFi network locations. They are ideal for wholesale, ISP, WISP, multi-site and data-centre architectures.

What we can deliver

- Layer 2 backhaul between sites, aggregation points and data centres.
- Point-to-point and multi-site transport designs.
- NNI-based aggregation and structured handoff into customer infrastructure.
- Carrier access consolidated through a common operational and commercial layer.

Common use cases

- WISP or ISP tower backhaul and wholesale aggregation.
- Customer WAN transport with internet breakout handled elsewhere.
- Data-centre interconnect and carrier handoff.
- Separating access transport from IP transit or DIA for greater design control.

TYPICAL OPTIONS

Layer 2 Backhaul

NNI

Aggregation

Single or LAGG NNI

DESIGN NOTE

A Layer 2 circuit is transport, not necessarily internet. Internet breakout, routing and public IP requirements can be added separately where the design requires them.



IP Transit & Internet Breakout

ConnexiFi provides wholesale IP transit and internet breakout services for networks that require BGP-based upstream connectivity, scalable bandwidth and structured data-centre interconnect.

Transit capability

- BGP-based IP transit for wholesale and network-operator customers.
- Service availability through Teraco locations in Johannesburg, Cape Town and Durban.
- International routing exposure across multiple west- and east-coast submarine systems.
- Public IP resources scoped separately where required.

 NexusGuard DDoS protection included

Interconnect model

- Customer NNI or cross-connect into the ConnexiFi environment.
- Transit can be combined with ConnexiFi Layer 2 access and aggregation.
- Suitable for ISPs, WISPs, content networks and enterprise networks with their own routing.
- Bandwidth and interconnect sizing designed around the actual traffic profile.

TYPICAL OPTIONS

BGP

IP Transit

DIA Breakout

1/10/25/40/100G NNI

Higher-capacity design

DESIGN NOTE

The standard wholesale IPT model uses a minimum committed service and a contracted interconnect. Final bandwidth, NNI and IP requirements are confirmed during commercial scoping.

SD-WAN & Secure WAN



SD-WAN allows multiple connectivity services to operate as a single managed WAN, improving path selection, resilience, security policy and visibility across distributed sites.

Core outcomes

- Secure multi-site overlay across mixed carrier and access technologies.
- Automated path selection and failover between primary and backup links.
- Centralised policy and application-aware traffic management.
- Improved operational visibility compared with unmanaged site-by-site routing.

Where it fits

- Branch and retail networks with many locations.
- Hybrid fibre, wireless, 5G and mobile-data underlays.
- Networks requiring consistent edge policy across different access providers.
- Customers wanting ConnexiFi to manage the WAN as a service.

TYPICAL OPTIONS

Managed Edge

Failover

Traffic Policy

Security Integration

Multi-carrier Underlay

DESIGN NOTE

SD-WAN is an overlay. The best result comes from designing the underlay links, resilience and routing model together rather than treating the appliance as a standalone product.



Mobile Data & APN

Mobile connectivity can serve individual users, field teams, IoT-style deployments or entire locations using shared data and managed SIM services.

Public APN

- Managed mobile internet access for distributed users and equipment.
- Shared or pooled data models reduce unused data across many individual bundles.
- Practical for temporary sites, mobile teams and router-based backup connectivity.
- Centralised commercial management of SIM and data usage.

Private APN

- Private APN solutions can be designed for controlled enterprise access.
- Suitable where traffic must reach private infrastructure instead of the public internet.
- Architecture, addressing, routing and security are scoped around the use case.
- Can complement SD-WAN and fixed-access resilience designs.

TYPICAL OPTIONS

Managed SIM

Pooled Data

Public APN

Private APN

Site Backup

DESIGN NOTE

Private APN deployments require solution scoping because routing, security and integration requirements differ substantially between customers.

Voice & Business Communications



ConnexiFi voice services can be layered onto business connectivity to provide cloud-based calling, SIP access and number portability without tying the customer to legacy fixed-line architecture.

Voice services

- SIP trunking for business PBX and hosted voice environments.
- Porting of existing VoIP and legacy fixed-line numbers where supported.
- SIP device subscriptions and endpoint integration.
- Per-second billing for outbound call usage.

Solution integration

- Voice can run over ConnexiFi internet, Layer 2 or SD-WAN designs.
- QoS and WAN design can be considered alongside connectivity selection.
- Suitable for branch offices, contact environments and distributed teams.
- Connectivity and voice support can be coordinated through one service partner.

TYPICAL OPTIONS

SIP Trunk

Number Porting

SIP Devices

Cloud Voice

Business Calling

DESIGN NOTE

Voice quality depends on the end-to-end network path. For multi-site voice deployments, connectivity, QoS and failover should be designed as part of the voice solution.

Managed Services & Support



ConnexiFi supports the delivered service lifecycle, combining monitoring, incident handling, carrier escalation and reporting with the underlying connectivity solution.

Managed service capability

- Monitoring of supported IP-based services and network availability.
- Incident coordination across ConnexiFi and upstream carrier environments.
- Escalation and restoration workflow aligned to the service SLA.
- Reporting and service visibility for operational teams and partners.

Why this matters

- Customers have one party coordinating faults across multiple upstream carriers.
- Service context is retained even where the access provider changes by location.
- Managed WAN, voice and connectivity incidents can be handled as one solution.
- Partner and customer support can be integrated into the broader service workflow.

TYPICAL OPTIONS

Monitoring

Incident Management

Carrier Escalation

SLA Support

Reporting

DESIGN NOTE

SLA levels depend on the specific service ordered. Broadband/best-effort services and enterprise-grade services should not be presented as operationally equivalent.

WiFi, Cloud & Specialised Solutions



Some requirements do not fit a standard access package. ConnexiFi can scope supporting services around the core connectivity stack where the customer requires a broader managed solution.

Customer-facing solutions

- Public WiFi and captive-portal environments for venues and shared spaces.
- Analytics and monetisation concepts for managed public-access environments.
- Cloud and hosting services integrated with connectivity requirements.
- Satellite and other specialised access can be scoped for remote-site requirements.
- Managed equipment packages where edge hardware is required to deliver the service.

Specialised use cases

- Malls, estates and multi-tenant environments.
- Custom ISP/WISP aggregation and backhaul requirements.
- Hybrid connectivity using fibre, wireless, 5G and mobile data.
- Bespoke architectures combining carrier, network and managed-service components.

TYPICAL OPTIONS

Public WiFi

Captive Portal

Analytics

Monetisation

Malls

DESIGN NOTE

These services are generally solution-led rather than fixed pricebook packages. Scope, integration and commercial structure are confirmed against the specific use case.



Feasibility & Partner Enablement

ConnexiFi combines commercial product knowledge with multi-carrier feasibility workflows, helping partners move from location to service option faster.

01**Location**

Address or GPS coordinates

02**Feasibility**

Check available access options

03**Design**

Select service grade and resilience

04**Commercial**

Price against the active pricebook

05**Deliver**

Order, implement and support

Built for single-site and bulk opportunities

- Online feasibility can start from an address or GPS coordinate.
- Bulk opportunities can be assessed from a structured site list, allowing multiple carrier options to be returned for pricing.
- The workflow separates feasibility, product rules and commercial pricing so the selected service remains traceable to the intended product family.
- Partners can combine last-mile access with Layer 2, internet breakout, SD-WAN, mobile backup, voice and managed support.

Partner Portal & white-label enablement

- Partners can run feasibility and quoting directly from the Partner Portal.
- White-labelling supports partner branding, child-account visibility and a consistent customer experience.
- Portal workflows provide order, service and support visibility alongside the connectivity lifecycle.
- Commercial workflows remain aligned to the active pricebook and selected product family.

Portal + Telegram workflow

- Feasibility checks can be initiated in the Partner Portal or from Telegram.
- A user can share an address or pin location / GPS coordinate through Telegram to run a feasibility check faster.
- ConnexiFi can also process structured bulk site data for larger rollouts and pricing exercises.

Solution Design & Delivery



The value of ConnexiFi is not limited to sourcing a line. We combine access, interconnect, routing, managed overlays and operational support into solutions designed around the customer or partner network.



Multi-carrier Architecture

Select and combine suitable providers by site, SLA, technology and availability.



Resilience Design

Primary / backup links, diverse media, alternate carriers and managed failover.



Aggregation & Handoff

Consolidate multiple services into structured Layer 2 and NNI handoffs.



CPE & Edge

Router, handoff and edge requirements scoped as part of the delivered solution.



Monitoring & Support

Service monitoring, reporting, incident coordination and escalation.



Project Delivery

Survey, carrier coordination, implementation, commissioning and handover.

BUILT FOR COMPLEX ENVIRONMENTS

Enterprise | Wholesale & Reseller | WISP / ISP | Multi-site | Malls & Estates | Data-centre interconnect



START WITH THE LOCATION. WE WILL HELP DESIGN THE PATH.

Bring us your sites. We will bring the options together.

Single site, multi-site rollout, wholesale network or custom architecture - Connexifi can combine the access, aggregation, internet, managed networking, mobility and communications layers required to deliver the solution.

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Feasibility, product selection, network design and commercial scoping