evolving NETWORKS™

PRODUCT SPEC

Ultimate Internet

The best in enhanced internet connectivity

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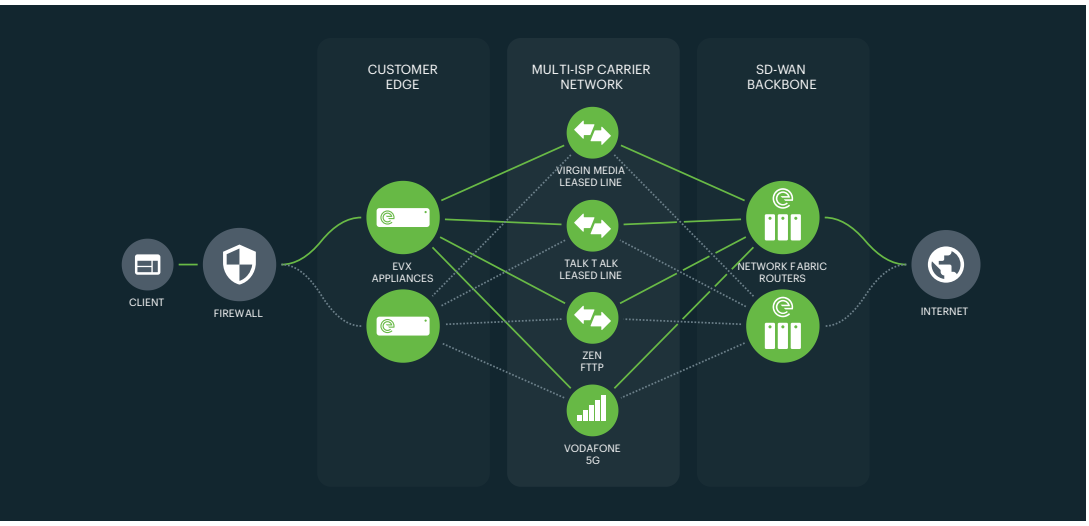
What is Ultimate Internet?

This is software defined connectivity. The ultimate in multi-link, always on internet connectivity, prioritised for your business-critical apps. Using any combination of circuits – ADSL, FTTC, FTTP, 4G, 5G and Ethernet leased lines – create a high bandwidth, high uptime connection that is greater than the sum of its parts.

Ultimate Internet is an intelligent carrier independent internet connection that prioritises and enhances every packet of data you send.

No wasted failover bandwidth, and no interruption during a circuit failure.

Bullet proof software defined internet connectivity for business



No loss of IP address
Persistent IP in the event of link failure

Seamless link failure
Aggregation of traffic to ensure no downtime or "failover"

Geographic datacentre resilience
Diverse core routing infrastructure

No loss of sessions
No data interruption. Redefining failover

Multipath packet vectoring
Vector around problems with zero business impact

Uninterrupted VoIP and video
No dropped calls, event in the event of a leased line failure

Full feature list

- Up to 8 circuits
- Bandwidth aggregated by packet
- Carrier independent
- Network underlay included
- 256bit AES encryption
- Zero-touch bi-directional QoS
- IP affinity
- Security agnostic
- Unlimited
- Monitored 24/7
- Seamless upgrades
- 100% uptime SLA
- 5x money back guarantee

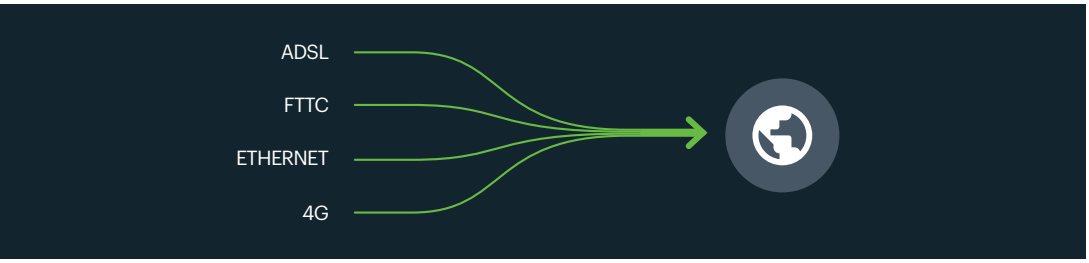
100% uptime SLA

We're so confident in our technology that we'll give you 5x your money back for any downtime experienced, with our industry beating 100% uptime SLA.

Software.
Hardware.
Connectivity.
Fully Managed.

Aggregated bandwidth

Get the maximum available bandwidth, not just the capacity of a single link, with an IP range that is not tied to the circuits. No dynamic path selection - full throttle bandwidth for any session that wants it.



Use all available bandwidth, all the time

Multiply upload AND download
Aggregated throughput to deliver maximum bandwidth

Seamless upgrade pathways
Upgrade to Gbps+ speeds with no downtime and no change of IP

Aggregate different technologies
Multiple tail technologies minimise risk of downtime

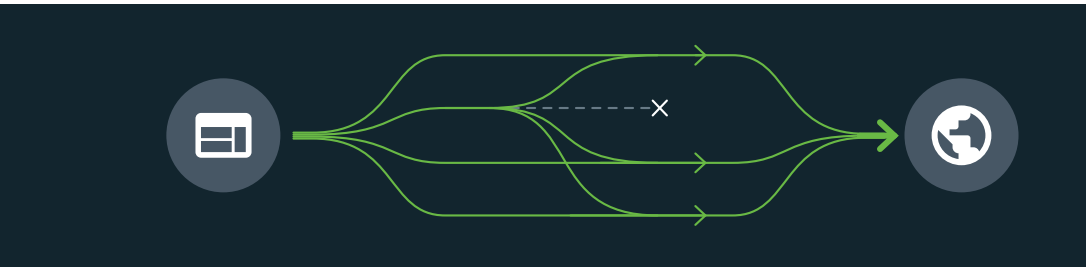
Use all good bandwidth all the time
Don't waste the bandwidth on secondary or under-utilised circuits

Carrier independent
Operate above any single ISP to avoid core platform issues

Eliminate downtime

Circuit failures are mitigated instantly, with no interruption to users and no breaking of QoS. Our Multipath Packet Vector Engine detects split second changes in link health, diverting and vectoring traffic away from problems, while maintaining full aggregation of available bandwidth.

High Availability appliances are also available to eliminate all single points of failure.



Seamless revectoring of data away from faults, with zero downtime

Know the state of every link
Act on faults immediately to prevent service issues

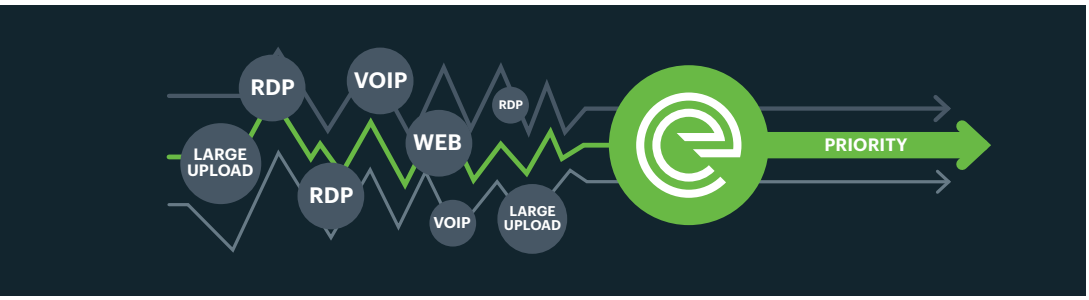
Continuous telemetry
A constant stream of low level data feeding our monitoring platform

Sub second reaction times
React to network events in the blink of an eye

Customisable thresholds and sensitivity
Change sensitivity based on circuit type and usage charges (e.g. 4G and 5G)

Prioritise your apps

Every packet is prioritised, so that VoIP, VDI and your business-critical systems get the Quality of Service they need, and users get the quality of experience they deserve.



Intelligent data management to ensure quality

Bi-directional
Intelligence applied to both upload and download traffic

Native, no need to present tagged packets
The INF software identifies and orders packets

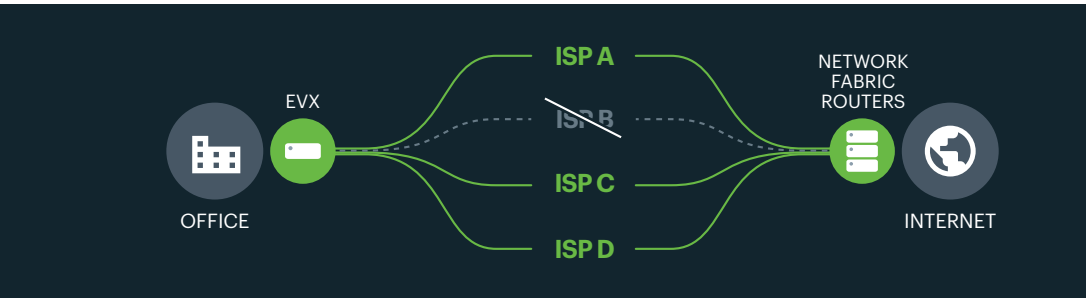
Truly vendor agnostic
Works with every IP phone & video conferencing system

You can't "just" throw bandwidth at the problem
File size and network traffic mean intelligence is always needed

De-prioritise low priority traffic
Upload off-site backups 24 hours a day

End your reliance on a single ISP

Different circuits from different, independent network carriers means never needing to rely on the least worst ISP. Elevate your connection above the telco, and we'll manage the entire supply chain for you.



No single ISP of failure
The majority of outages happen inside ISP's networks

Transparent migrations
Migrate broadband between providers with zero downtime

Carrier independence
No tie in with any ISP –avoid periods of instability and poor quality

Supplier management
Outsource the choice and maintenance of ISP relationships

No change of IP
Change the circuits, but not your public IP range

No wasted bandwidth
Link aggregation means no spare circuits laying unused

UK carriers

- TalkTalk
- Colt
- Virgin Media
- BT
- Zen
- Neos
- Sky

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