OVERVIEW

Broadband demand is a constant in networking, in both urban and rural markets. Netomnia is the fastest growing, full-fiber broadband network operator in the United Kingdom targeting under-served towns and cities. In order to support this rate of growth, Netomnia found the OcNOS platform from IP Infusion to be a natural fit for their networking software needs.

ISPs select IP Infusion's OcNOS-based solutions as part of a progressive migration strategy away from legacy vendors to expedite delivery of services. The OcNOS

Network Operating System on the customers' choice of open networking hardware can provide a cost-effective and modular platform to accommodate current needs, and future growth.

IP Infusion was able to deliver a broadband aggregation routing solution to fulfill Netomnia's goal of delivering multi-gigabit broadband to one million premises.

- Rapid deployment delivering reliable, high quality and high-speed internet

- Reliable Turnkey Solution simplifying Operations for full-fiber network operator

- Single point-of-contact enabling network expansion

- Fast time-to-market for innovative customer services

- Seamless network expansion capabilities

- Layer 2 aggregation use-case with migration capabilities to Ethernet VPN (EVPN)

- Improved total cost of ownership

- Product: IP Infusion PRO (Software: OcNOS; Hardware: Edgecore AS7712-32X, AS7726-32X)

Original Networking Challenges

- Deliver multi-gigabit broadband to one million premises

- Build out scalable and adaptable full-fiber network

- Highly efficient and fault tolerant network

- Effective network deployment at lower cost

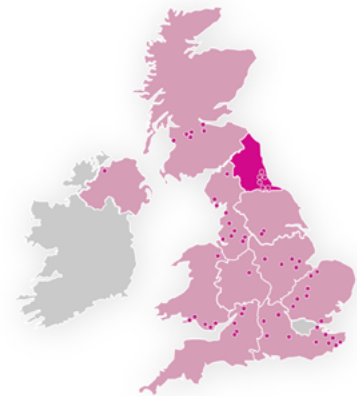- Fast delivery of internet services to homes and businesses

Image from January 12, 2023

Why IP Infusion?

IP Infusion is the market leader in carrier grade, open networking solutions with more than two decades of experience providing hardened industry networking products. From OEM spec solutions to our own OcNOS based networking products, IP Infusion is found in many market-leading networking devices around the world. With over 10,000+ successful carrier-grade deployments, no other open networking vendor can claim the sort of industry experience represented by our market presence.

> "Our lean and scalable operating model allows us to rapidly deploy our network to provide homes and businesses with reliable, high quality and high-speed Internet connections. IP Infusion provided us with a flexible, turnkey solution that simplifies our operation, along with excellent single-point of contact support that we needed to expand our network."
>
> **– Feka Samakuva, Director of Networks at Netomnia**

IP Infusion's successfully deployment of LINX's IXP network provided an excellent reference of a live network built on OcNOS.

Our innovative turnkey product – IP Infusion PRO – with our ODM partner Edgecore Networks provided a single point of contact for any operational or maintenance support. This greatly enhanced Netomnia's capability for faster roll-out of their services.

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Netomnia were able to leverage OcNOS as a platform across multiple Broadcom chipset families to get the desired network bandwidth and scale.
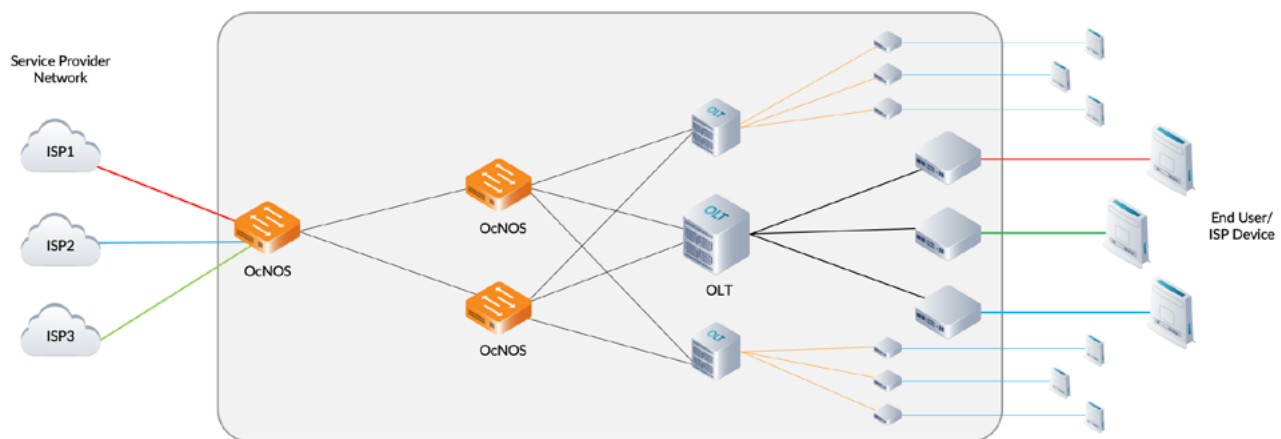
IP Infusion continues to collaborate closely with Netomnia through every stage of the network deployment.

> "Service providers, such as Netomnia, are benefiting from the industry's move to disaggregated networking. They will be able to get to market faster and bring more innovative services to their customers at a fast pace. IP Infusion's leadership in the disaggregated networking space is accelerating the adoption of this novel approach for service providers."
>
> – Stéphane Téral, Chief Analyst, LightCounting Market Research

The Deployment

- IP Infusion PRO Turnkey Solution
- Provider Bridging to provider access to ISPs
- Transport is provided via iBGP-VxLAN
- EVPN E-Tree multi-homed between leaf devices
- Hardware Platform: Edgecore aggregation routers

> "IP Infusion PRO removes the top barriers that help service providers, like Netomnia, to adopt and accelerate network disaggregation. Netomnia is joining service providers around the world who want to take advantage of the agility and scalability of disaggregated networking without relying on traditional networks to deliver innovative services for their customers."
>
> – Atsushi Ogata, President and CEO of IP Infusion

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Results

- Immense increase in scale for more subscribers.

- Reliable, high quality and high-speed Internet delivered to homes and businesses.

- When comparing competing solutions, OcNOS saved Netomnia 3x the price for bringing high-speed Internet to its customer base.

- YouFibre is Netomnia's partner company in the UK, and has also selected OcNOS for broadband aggregation, and will be rolling out network upgrades across England and South Wales, with an addition in Scotland in the coming months.

"Passing 350,000 premises at the end of 2022 was an unprecedented achievement for a company of our size. We are on track to meet our one million premises passed target and to ultimately accelerate the UK's transition to full fiber."

– Jeremy Chelot, Chief Executive Officer at Netomnia

Contact for More Information:

For more information on the OcNOS software, please contact sales@ipinfusion.com.

Phone | +1-877-699-3267   **Email |** sales@ipinfusion.com   **Web|** www.ipinfusion.com