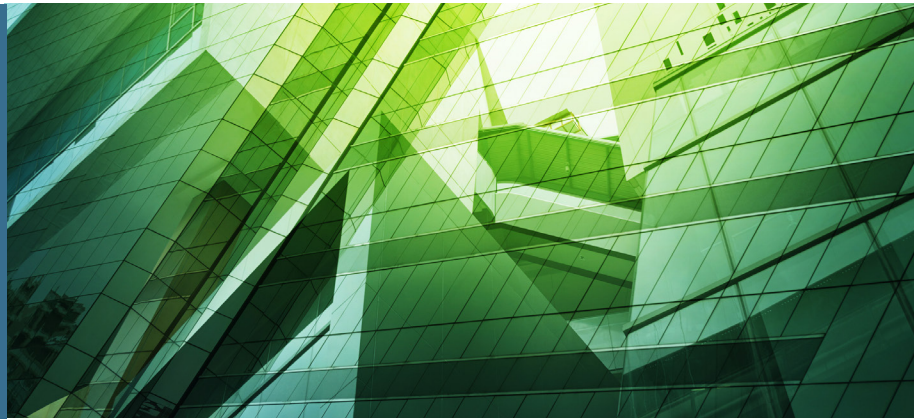


SOLUTION BRIEF

How Ekinops helps Service Providers to deliver next-generation managed services for branch office



The Digital Network Transformation

The on-going digital network transformation is causing service providers to evolve from traditional service providers to integrated digital service providers, with digital at the heart of everything they do and every service they sell.

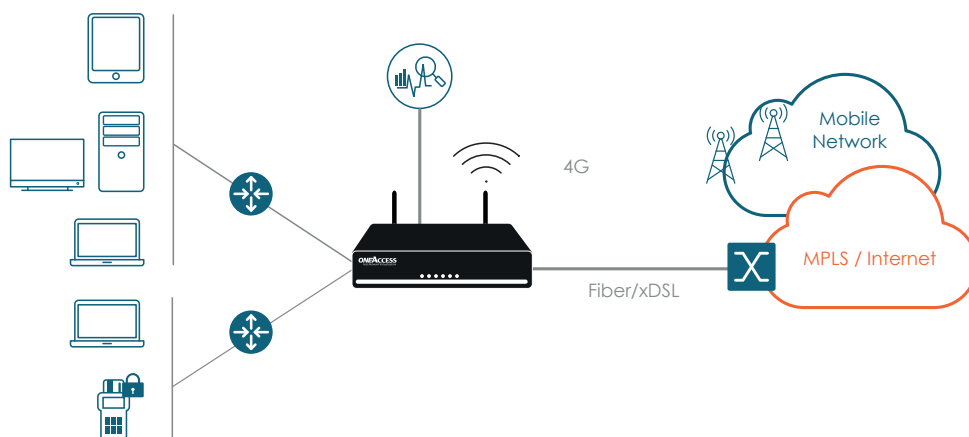
Across industries around the world, digital transformation is also transforming the way enterprises do business leveraging new digital competencies to transform every step of the value chain. To remain competitive in this digital era and beyond, IT must embrace digital transformation and the requisite infrastructure needed to achieve it. Enterprises use a large number of on-demand services based on cloud technologies. Access to the network thus becomes a critical element of business productivity and business continuity. Both of these aspects require highly reliable access and a high level of security.

Why Ekinops

Reliable & Always On Services

The OneAccess branded range of branch office routers incorporate several combinations of network access. From link backup to link bonding, application traffic won't be interrupted by a link failure. This resilience makes revenue loss impossible.

Fiber Optic, DSL and/or 4G/5G can be combined on routers dedicated to small and medium-sized businesses.



This diversity of WAN interfaces is the key to achieve a very high level of availability whether with the use of interfaces as back-up links or leveraged as multiple underlays operated using our SD-WAN solution.

High Performance in a Compact Form Factor

The OneAccess branded branch office routers come in a small and compact form factor. They are power-efficient with an excellent performance/consumption ratio. They are all fan less for a longer lifetime.

“The ‘processing’ phase (electrical consumption of device during life cycle) of the product has by far the largest share (71.77%) in the total environmental impact compared to share of the other phases ‘production’, ‘packaging’, ‘recycling’.”

The Ecolizer Tool (designed by OVAM), 2020



EXTREMELY LOW FOOTPRINT

Low power consumption is a tangible business argument that service providers can leverage with their end customers, the enterprises.

The OneAccess branch office routers have a laptop size with less than **20 Watts for a 1 Gbps** bandwidth with intense business services!

Security & Prioritization of Business Apps

Embedded IPsec services make sure business traffic is safely guarded against eye-dropping, on all links, end to end. The advanced technologies used in the OneAccess branded branch office routers are compatible with third party concentrators and an open standards-based solution means no vendor lock-in.

The range of branch office routers deliver Quality of Experience (QoE) for critical business applications thanks to application-based Quality of Service mechanisms prioritizing vital applications, especially Cloud ones, for SaaS service providers.

All OneAccess branch office routers include QoS, visibility and control mechanisms ensuring cost-effective deployment.

Value for Service Providers

The Ekinops branch office routers portfolio enables service providers to tailor their offer and match the right product to the size of the enterprise for Capex optimization.

Service providers can offer true managed business services thanks to the feature-rich OneOS6 software which provides all an enterprise need to offer a simple Internet service, differentiated Quality of Service, Firewall, IP VPN and SD-WAN services all within the same router.



Enabling built-in services on-demand, the routers provides the opportunity to create value-added services. Service providers can thus increase revenues per user.

The OneAccess branded branch office routers include support for the NETCONF protocol. It is based on YANG and supports the REST API, removing all barriers to introducing next-generation OSS.

The Ekinops Portfolio

The OneAccess branded branch office routers make a comprehensive range of products ready to help deliver the digital network transformation.

ONE421



Ideal for retail and small offices

- DSL and 4G for dual WAN
- Embedded full fledge WiFi ac access point
- Ex works carbon footprint: 43 kgCO2eq for DSL version (45% less than previous generation ONE420)

For branch office business services

- Tailored for 250 Mbps/350 Mbps business service and up to 1 Gbps best effort
- DSL, Fiber and 4G/5G in one box
- Embedded full fledge WiFi ac access point

ONE521 ONE531



When true 1 Gbps business service is expected

- Very high performance quadcore ARM CPU
- Best in class power consumption
- Powerful WiFi 6 4x4
- Fiber and 4G/5G in one box
- Ready for edge computing/containerized applications
- Ex works carbon footprint: 55 kgCO2eq (only 12% more than an ONE421)

ONE621



Related documentation

- ONE421 datasheet
- ONE521 datasheet
- ONE531 datasheet
- ONE621 datasheet

About Ekinops

Ekinops is a leading provider of open and fully interoperable Layer 1, 2 and 3 solutions to service providers around the world. Our programmable and highly scalable solutions enable the fast, flexible and cost-effective deployment of new services for both high-speed, high-capacity optical transport networks and virtualization-enabled managed enterprise services

Our product portfolio consists of three highly complementary product and service sets: Ekinops360, OneAccess and Compose.

- Ekinops360 provides optical transport solutions for metro, regional and long-distance networks with WDM for high-capacity point-to-point, ring and optical mesh architectures, and OTN for improved bandwidth utilization and efficient multi-service aggregation.
- OneAccess offers a wide choice of physical and virtualized deployment options for access network functions.
- Compose supports service providers in making their networks software-defined with a variety of software management tools and services, including the scalable SD-WAN Xpress and SixSq Edge-to-Cloud solutions.

As service providers embrace SDN and NFV deployment models, Ekinops enables future-proofed deployment today, enabling operators to seamlessly migrate to an open, virtualized delivery model at a time of their choosing.

A global organization, Ekinops (EKL) - a public company traded on the Euronext Paris exchange operates on 4 continents.

