

Solution Brief | Ekinops OVP uCPE Consolidates Single Platform for Edge Devices

A new distributed edge collaboration between the enterprise and the CoSP is a new way of addressing the challenges, where local preprocessing on the uCPE enables the CoSP to deliver an agile networking solution and simultaneously offering a cloud-based hosting platform to the enterprise to focus on the management of its applications rather than the management of an edge platform.

As an example, many automobile repair shops have multiple sites and a growing need for improved communications for the increased digital technology used in automobiles. The U.S. automotive repair and maintenance services industry has about 160,000 businesses nationwide. Automotive service technicians inspect, maintain, and repair vehicles, as well as diagnose and service more complex problems.

The biggest challenges these shops face are training technicians, staying up to date on diagnostic advances, and keeping up with advances in vehicle technology. Automotive repair companies and independent repair shops struggle with finding the right IT solutions to support these needs with minimal support staff.

To address this challenge, and others, Ekinops developed a vertical-market centric distributed edge solution (see Figure 4) that provides a network infrastructure for fast and more secure access to cloud databases for parts and stocking information, price quoting, repair planning guides, and software repository; access to printers; and WAN management.

In this solution, the Ekinops OVP uCPE integrates all of the networking and security functions that previously required individual hardware devices, using VNFs that can be deployed with redundancy for high reliability. Multi-location auto service businesses can leverage Ekinops OneManage software to centrally distribute VNF-based services and then updates and have everything managed with consistent business policies.

Most cars are now connected with dozens of software functions that require regular updates. Vehicle service and repair shops need continuous and current car manufacturer software updates and patches. Car manufacturers can use Ekinops' vertical-centric solution to distribute and manage VNFs over the cloud to thousands of vehicle service and repair shops around the world.

The flexibility of Ekinops OVP uCPE enables service providers to manage the connectivity and uCPEs or offer a co-managed solution.

Conclusion

Increasingly complex and disparate technologies are requiring IT and security teams to find agile, cost-effective, and dynamically scalable network and security solutions. Enterprises can no longer afford the capital and operational expenditures associated with the jumble of edge network and security devices. The Ekinops OVP uCPE platform allows service providers to enable their enterprise customers with automated and programmable solutions, while streamlining IT infrastructure through consolidation.

Ekinops OVP uCPE accomplishes this with a small footprint and pre-integrated VNF services. This enables fast time-to-market and a quick return on investment. Implemented on cost-effective Intel architecture-based hardware, Ekinops OVP uCPE helps lower costs, while enabling enterprises with the flexibility to quickly and easily deploy services across their remote business units.

As enterprises turn to service providers for WAN infrastructure simplification and new services that help them compete in today's software-driven environment, uCPEs are an integral solution. Ekinops OVP uCPE runs on Intel Atom C3000 processors and Intel Xeon D-2100 processors. Organizations are able to meet their performance and service requirements with the appropriate software, services, and cost-effective hardware to meet the need.

More Information

[Ekinops OVP uCPE](#)

[Ekinops Local Infrastructure Manager \(LIM\)](#)

[Intel Atom® C3000 processors](#)

[Intel® Xeon® D-2100 processors](#)

[Intel® Network Builders program](#)



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¹ Figures provided courtesy of Ekinops.

² <https://www.intel.com/content/www/us/en/products/docs/processors/atom/c-series/c3000-family-brief.html>

³ <https://www.intel.com/content/www/us/en/products/docs/processors/xeon/d-2100-brief.html>

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