

BRING VIRTUALIZED SERVICES TO END CUSTOMERS SOONER WITH INTEL® SELECT SOLUTIONS FOR uCPE



What Are Intel® Select Solutions?

Intel Select Solutions are verified hardware and software stacks that are optimized for specific software workloads across compute, storage and network. The solutions are developed from deep Intel experience, along with hardware and software vendors, in addition to extensive collaboration with world-leading data center solution providers like WWT.



WWT offers a full portfolio of solutions to network and telecommunications service providers

The rise of virtualization for applications is bringing high levels of efficiency, durability and manageability to Communication Service Providers (CSPs) while reducing their operating costs. Thanks to network function virtualization (NFV), service providers can remotely deploy network functions and install new services in seconds using software management and orchestration tools.

With universal customer premises equipment (uCPE), service providers can increase business agility by offering these services at the network edge, thereby reducing latency. These easily customizable, nonproprietary white boxes can provide numerous services to end customers, including security, firewall, VPN and IoT capabilities, on a single platform.

A reference design for ease of integration

WWT offers Intel® Select Solutions for uCPE to help service providers bring services to market faster. WWT's Intel Select Solutions for uCPE is based on the functional requirements of a wide range of uCPE use cases for verified and workload-optimized configurations for virtualized network functions (VNFs) and other applications.

Both open-source and commercial software solutions can be hosted on the uCPes running on open operating systems (Ubuntu, CentOS or Red Hat Enterprise Linux). Zero-touch provisioning at power-on can connect the uCPE to the internet using a secure and automated process over a choice of WAN connections. Encryption can be performed by software or accelerated by hardware based on Intel® QuickAssist Technology for secure communications.



Delivering outcomes faster in the Advanced Technology Center

WWT understands the challenges service providers face in testing, deploying and monetizing new solutions. Service providers can leverage WWT's [Advanced Technology Center](#) (ATC) to collaborate in a lab environment to design, build and validate uCPE solutions that speed up deployments and ensure smooth operation over fiber, 5G, G.Fast, GPON, xDSL, cable and Wi-Fi infrastructure. The ATC brings hundreds of technology providers together in a physical environment that can be accessed virtually from anywhere to build, configure and test proofs of concept so they are ready to perform as intended in real-world conditions.

WWT is helping clients address their specific challenges when transitioning to uCPE-based network virtualization in the ATC, evaluating:

- **Performance and functionality.** Benchmark VNFs to detect and remove bottlenecks that may appear at different levels of the virtual stack.
- **Scalability and network architecture.** Validate scale-out and service chaining of VNFs, and prepare for intensive workloads.
- **Reliability and security.** Test VNFs on carrier-grade platforms to assess overall system availability and expose them to real-world threats.

WWT's ATC can significantly accelerate time to revenue by validating VNF service chains required for new managed services. In addition, WWT's [Global Integration Centers](#) provide further support by integrating hardware and software components for direct shipment to numerous branch locations worldwide.

Start innovating with Intel Select Solutions for uCPE today.

[Contact a WWT representative](#) or call 800-432-7008 to learn more about WWT's Intel Select Solution for uCPE.

About WWT

World Wide Technology (WWT) is a technology solution provider with more than U.S. \$11.2 billion in annual revenue that provides innovative technology and supply chain solutions to large public and private organizations around the globe. While most companies talk about delivering business and technology outcomes, WWT does it. Based in St. Louis, WWT employs more than 5,000 people and operates over 2 million square feet of warehousing, distribution and integration space at our [Global Integration Centers](#) around the world.

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