



IEI PUZZLE-IN004 is Verified as an Intel® Select Solution for uCPE on CentOS

Accelerates the deployment of uCPE and NFV

【Taipei, Taiwan, 14th, May, 2020】 IEI Integration Corp. is proud to announce that their new product line [PUZZLE-IN004-DX1 is recognized as a verified Intel® Select Solution for uCPE on CentOS](#). Just like the development of cloud applications and the complex network/service in Telco and enterprise environments, universal customer premises equipment (uCPE) is becoming more comprehensive, efficient and flexible for providers and customers to fulfill new functions on demand. Previously, the lack of a standard hardware platform design and performance verification of a system was a key challenge. It increased the burden for developers as they need to spend extra time checking platform configurations such as BIOS, firmware, NIC driver, OS kernel and abundant software code.

The Intel® Select Solutions for uCPE addresses this need by providing a foundation for the development of uCPE products with a reference design and verification of performance. It provides platform configurations and performance benchmark testing that aims to verify functions that are fundamental to uCPE appliance including DPDK L3 forwarding, Intel® Quick Assist Technology (Intel® QAT) for cryptographic acceleration, OpenSSL performance and virtual function cyclic test. It also provides a recommended hardware selection and reference design including CPU/chipset, RAM, NIC and storage. This helps customers accelerate the deployment of uCPE and other NFV applications and offers different uCPE deployment models with comprehensive cost spending.



The [PUZZLE-IN004](#) brings the performance and low power of the Intel® Xeon D processor family to the edge of communication service provider networks for agile service provisioning. In order to provide comprehensive uCPE platforms, the PUZZLE-IN004-XD1 has been verified as an Intel Select Solution for uCPE on CentOS.

Furthermore, it is integrated with up to 16 GB DDR4, and is equipped with eight GbE RJ-45 via Intel I211-AT and four 10 GbE SFP+ for high speed network transmission. To satisfy multi-task demands, the PUZZLE-IN004 is designed with one PCIe x8 slot and one PuIM module slot for expansion flexibility. It is ready to perform as a commercial-off-the-shelf uCPE appliance hosting open-source and commercial software solutions based on NFVI architecture.

PUZZLE-IN004-XD1	
Model	Base
CPU	Intel® Xeon® D-2145NT 8C16T, 1.9GHz, 65W
Memory	16 GB DDR4 2666 MHz 4 x 4 GB RDIMM
NIC	Integrated X722 - 40G Ethernet (20Gbps verified based on the SPEC.)
Intel® QAT	Integrated
Storage	1 x 2.5" Intel® SSD (SSDSC2KB240G8)
Intel Select Solutions Verification	Approved

*Specifications are subject to change without prior notice.

About IEI Integration Corp.

IEI Integration Corp. is a leading industrial computer provider. IEI's products are applied in computer-based applications such as factory automation, computer telephony integration, networking appliances, security, systems, and in fields like AI, IoT (Internet of Things), national defense, police administration, transportation, communication base stations and medical instruments. IEI continues to promote its own-brand products as well as serving ODM vertical markets to offer complete and professional services.

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