PREMIER uCPE Platform

PREMIER

Communication products to depend on.℠

Opening the Gateway to Innovation

New Line of PREMIER Pi-CON uCPE Products Delivers Optimal Performance for Network Services

The all-new suite of Pi-CON universal Customer Premises Equipment (uCPE) products is engineered to meet all your customers' needs with an optimized hardware platform tuned to work with each unique service chain. The Pi-CON uCPE series, powered by high-performance Intel® processors with built-in acceleration and low-latency Ethernet ports, is available in a range of configurations for small to medium enterprises.

Maximum Flexibility, Lower Costs with Standard, Off-the-Shelf Hardware

By stitching together an optimized hardware platform with market-leading SD-WAN, security, and routing software components (VNFs and any preferred Operating Systems Vendors), the Pi-CON uCPE series enables network operators to streamline services and reduce costs by replacing multiple fixed-function network appliances with a nonproprietary, white-box platform based on Intel® x86 architecture suitable for a broad array of applications.

uCPE technology offers network operators numerous benefits:

- A single, consolidated device that can be easily installed in any location
- Ability to deploy virtualized (and nonvirtualized) network functions as desired
- Faster deployments due to nonproprietary devices—fewer skillsets are required to install, configure, test, and maintain them
- Greater cost efficiencies with reduced capital expenditures and lower operating costs

An Intel® Select Solution for a Product-Ready Design

The Pi-CON uCPE series is based on the Intel® Select Solution for uCPE reference design. This reference design provides faster time to market and shorter network evaluation time, thanks to pretesting for NFV systems architecture requirements and powerful Intel® technology, from the four-core, low-power Intel® Atom™ processor to the 14-core, scalable Intel® Xeon® D processor.

Maintenance Friendly
Enhanced and Secure IPMI Management with remote, fail safe firmware and BIOS updates

Scalable, high performance CPU
Scale CPU performance from 6 to 28 cores to match your workloads

Service Friendly
AI FRUs are front hot swappable, all I/O ports are at front

Built In Acceleration
Quick assist up to 100 Gbps

Compact Design
Only 430mm deep

Low Latency Ethernet
Rich Ethernet I/O ports with ROMA support

Robust
Mechanical stability paired with extended operating temperature

Take Advantage of Network Function Virtualization

PREMIER's Pi-CON uCPE is optimized for applications targeting the small to medium business enterprise through their communication and cloud service providers. And as a pre-verified solution from PREMIER, the Pi-CON uCPE series provides network operators with a head start in creating new avenues of revenue in both the residential and enterprise markets.

The top-performing Pi-CON uCPE XL utilizes the 14-core Intel® Xeon® D processor and specifies the network, storage, and integrated platform acceleration products from Intel to maximize virtual machine density, including up to four integrated 10 GbE adapters, up to 512 GB of DDR4 ECC, and integrated Intel® QuickAssist Technology for fast encryption/decryption.

Want to learn more about the Pi-CON uCPE series?
Contact a KGPCo representative today at 800.755.1950.

Product Lineup

Full range from entry level platforms to fully configurable platforms for any enterprise deployment.

» Pi-CON uCPE S	» Pi-CON uCPE M	» Pi-CON uCPE L	» Pi-CON uCPE XL

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