Super Computer Sheds Weight, Gains Mobility, Becomes "Server-on-the-Go"

Eurocom Corporation wins Form
Factor Solution Innovation Award

EUROCOM

Challenge ›

The idea of a portable server is appealing to application developers, emergency responders, on-site trainers and others who need powerful computing solutions wherever they may be. But the trick is in packing an appropriate amount of processing capability, storage capacity, memory, and back-up battery into a sub-12 pound form factor.

Eurocom Corporation successfully conquered this challenge by outfitting a desktop replacement chassis with the highest quality components, including the Intel® Xeon® processor E5 series and Intel® S3700 solid state drives – chosen for their ability to support both workstation and server-class operations. Known as the EUROCOM Panther 5.0, this new super computer has the performance capabilities of a datacenter server in a portable form factor, complete with workstation tools such as keyboard and monitor.

This clever solution package earned Eurocom the Form Factor Solution Innovation award from Intel. "We had a number of considerations to factor into the solution, including temperature variance and humidity, power consumption and thermal output, internal wiring, functional ergonomics, and so on," explained Mark Bialic, Eurocom's President and CTO. "Our target was a sub-12 pound form factor to enable portability." Thus: "server-on-the-go."

"Once you go to a portable solution, the requirements for stability and reliability are much higher, for example, temperature can't be too high, ventilation becomes an issue, and so on," Bialic explains. "Just like you would for any other portable device, the system must be designed for unintentional abuse and integrated into one laptop-like system."

Although the system has the capabilities of both a workstation and a server, it is not intended to replace those traditional devices. Rather, "server-on-the-go" is really destined for that unique class of applications where having a portable version of a server/workstation makes the job that much easier.

Bialic says their choice of Intel components for the solution was easy. "Eurocom is one-hundred-percent Intel," he says. "We believe in offering our customers a choice of platforms and capabilities, and the Intel® architecture enables us to do that. There's no need for us to use anything else."

As for what challenges lie ahead, Bialic says Eurocom is always looking toward the future, not just where the marketplace is going, but what opportunities lie out there that aren't being addressed. The Panther 5.0 is just one manifestation of this forward-looking focus. And an innovative one at that.

Learn more about 2013 Intel Solutions Summit winners and the benefits being an Intel® Technology Provider at www.intel.com/technologyprovider

Intel® Technology Provider

EUROCOM®

intel®