SeaMicro releases a new low-power server for web service providers

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(PhysOrg.com) -- SeaMicro has announced that they have developed a low-power usage server. The machine, which has been dubbed the SM10000-64, includes 256 of Intel's latest Atom N570 dual-core processors. The SM10000-64 is outfitted with 512 Atom processing cores that run at 1.66GHz. These processors can deliver 850GHz of processing power, according to the representatives at SeaMicro. Each of the cores is expected to be capable of running two threads of data simultaneously, a feature that is expected to significantly boost application performance.

Some of you may already be familiar with Intel's Atom line of processors, since this line of chips already sits inside many netbooks currently on the market. The trade off to being less energy consuming than regular processors is that they are meant to deal mostly with web-based transactions, which usually contain smaller amounts of data that can be processed more quickly than other types of data.

With this is mind, it is easy to see these machines target market. The server is being marketed as a device to be used in large volume Internet transactions, where multiple servers working in concert are the order of the day for managing data and processing transactions. Companies that deal with web-based services such as e-mail, search engines and social networking, are the customers that SeaMicro is targeting. There is also a market for managed hosting providers and cloud-based service providers.

These servers are likely to be paired with servers with higher processing power as a way to reduce energy costs and make data centers a little bit greener than they would be if they used only the higher processing powered chips.

  More information: Company's press release: www.seamicro.com/?q=node/110

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