Fact Sheet

More Than 50 Active Designs on Intel's Communications Platform

Oct. 23, 2012 —The number of networked devices now equals the global population – nearly 7 billion – and is projected to double by 2015. This growth in connected devices has led to an explosion in data volume that is challenging network providers to keep pace with the insatiable need for bandwidth. Intel's communications platform, formerly codenamed "Crystal Forest," allows network providers to handle traffic across the network more efficiently and securely while addressing the specialized needs for handling content processing.

Today, telecom equipment manufacturers have to go through a very complex and expensive process of combining a variety of highly-specialized processors with different software programming models in order to handle multiple communications workloads. Now, when using the Intel communications platform, equipment manufacturers can consolidate three communications workloads – application, control and packet processing – on multi-core Intel architecture processors to deliver better performance, reduce costs and accelerate time to market. Network providers and service providers can now design networks built on common platforms that are incredibly flexible to adapt to the changing demands on the network. Manufacturers can also develop a scalable product line based on multiple Intel processor options to plan for future performance increases.

The Robust Ecosystem

More than 50 active designs, including off-the-shelf solutions from OEMs and the Intel® Intelligent Systems Alliance ecosystem, are available on the Intel communications platform.

- **6WIND***
  6WIND announces the availability of support within the 6WINDGate™ software solution for the platform. Already used by OEMs in products based on earlier Intel architecture platforms, 6WINDGate includes optimized support for the Intel® Data Plane Development Kit, enabling the development of best-in-class networking equipment for mobile and cloud infrastructure.
- **Axiomtek***
  Axiomtek introduces NA-360, a 1U rack-mountable "extremely slim type" network appliance based on the Intel® Celeron® 725C 1.3 GHz and Intel® Pentium® B915C 1.5 GHz processors with the Intel® Communications Chipset 89xx Series. The NA-360 contributes various design advantages, including low power, high performance and flexibility.
- **ADI Engineering, Inc.***
  ADI Engineering, Inc. announces "Open IP" reference platforms and semi-custom OEM products for the Intel platform. ADI Engineering's new reference platforms are available in AdvancedTCA (ATCA), Advanced Mezzanine Card (AMC) and PCI Express form factors, and cover the full range of the newly announced Intel platform.
- **ADLINK Technology, Inc.***

ADLINK Technology, Inc. announces aTCA-6250 and aTCA-6200, the ATCA processor blades with robust computing power, high throughput connectivity and accelerated packet processing capabilities, support the Intel platform.

- **Advantech***
  Advantech introduces the industry's broadest range of products designed with the Intel platform. The products allow Network Equipment Providers to utilize Advantech's Customized COTS framework to create differentiating feature sets and deliver flexible, scalable and efficient solutions ahead of their competition. Engineered to shorten design times and accelerate the insertion of new technologies, they enable significant time-to-market advantages for OEMs. Products range from the FWA- 3250 and FWA-3221 - desktop and 1U rackmount systems to the NeTarium ATCE Systems, which range from 2-slots to 14-slots to provide system-level switching capacities of over 1.28Tbps at the high-end.
- **CASwell, Inc.***
  CASwell, Inc. announces CAR-5020, a highly functional and modular 2U rack-mount communication appliance that offers a comprehensive solution for customers in the Communications and Infrastructure market. CAR-5020, based on the Intel platform, supports dual Intel® Xeon® processors E5-2600 series with up to 16 cores, Level 3 Cache (20MB) and 2 QPI links.
- **Dell***
  Dell OEM Solutions' next generation communications platforms, powered by Intel, deliver scalable platforms that range from 1 to 32 cores – with a broad range of price and performance points. Dell OEM Solutions encourages customers to move to Commercial Off the Shelf (COTS) to broaden customers' product line reach.
- **Emerson Network Power***
  Emerson Network Power announces a 40G AdvancedTCA® packet processing blade that enables network operators to gain the cost and efficiency benefits of 'workload consolidation' with simpler and faster network security. The ATCA-7470 is designed to utilize the full capabilities of the Intel platform, with an optimized balance of processing, memory, I/O, data movement, and interfaces.
- **Lanner Electronics Inc.***
  Lanner Electronics Inc. unveils the FW-8893 and FW-7575, two new high-performance network acceleration appliances utilizing the Intel platform. The FW-8893, featuring the Intel® Xeon® processor E5-2600 series, is designed for high-end security or WAN acceleration. The FW-7575, with the Intel® Xeon processor E3-1125C or E3-1105C, is primarily for Enterprise Router or Unified Threat Management (UTM) firewalls.
- **NEXCOM***
  NEXCOM launches 1U security hardware NSA 2120, which has been specifically designed for network processing as the growth in network communication fuels concerns about network security. Supporting several processors, including the Intel® Xeon® processor E3-1125C, and paired with the Intel® Communications Chipset 89xx Series, NSA 2120 places a premium on security functions, increasing responsiveness of security hardware and supporting high-speed fiber communications.
- **Signal Integrity Software, Inc. (SiSoft™)***
  Signal Integrity Software, Inc. announces the availability of three Quantum Channel Designer design implementation kits for the Intel platform with the Intel® Communications Chipset 89xx Series. Quantum Channel Designer has the capability of enabling designers to perform post-layout on all of their designs' serial links, allowing designers to quickly analyze every link for voltage and timing margins.
- **WIN Enterprises***

WIN Enterprises' WIN SoNIC (System-on-NIC) network acceleration board uses software from Wind River and other Intel Intelligent Systems Alliance members to consolidate network workloads through integrated data preprocessing, deep packet inspection, crypto acceleration and dual 10 GbE optical LAN capabilities which will be expandable to 100 GbE.

- **Wind River***
  Wind River's commercial-grade Linux, accelerated networking runtime technologies, and development environment, combined with Intel's communications platform, enables teams to develop products more rapidly and efficiently. Programming communications workloads on a common, and sophisticated architecture allows greater flexibility for telecom equipment makers to develop a high performance, innovative network.

For more information visit the Intel Intelligent Systems Pressroom.