Centec Networks Extends TransWarpâ„¢ Family of Ethernet Switching Chipsets

SUZHOU, China, /PRNewswire-Asia/ -- Centec Networks, a leading innovator of carrier-grade IP/Ethernet switching silicon and advanced ODM/OEM system solutions, today announced it is ready to extend its TransWarpâ„¢ family of advanced packet-processing chipsets to include two new switching processors, Manhattanâ„¢ (CTC6028) and Brooklynâ„¢ (CTC5048). The updated product family enables OEMs to build high performance, feature rich, power efficient, and cost effective Ethernet/IP/MPLS solution to address the flexibility, extensibility and scalability challenges.

Currently, Centec's TransWarp family includes two products: Humberâ„¢ (CTC6048) and Richmondâ„¢ (CTC8032). Humber is a 100 Gbps Multilayer Ethernet Switch and Richmond is a cell based scalable switching fabric. Manhattan and Brooklyn are two new Multiplayer Ethernet Switches added to the family. Centec's TransWarp family enables industry leading features and performance for fixed and modular systems. Target applications include access, and aggregation IP/Ethernet routing switches, Packet Transport Network (PTN) platforms, Optical Line Termination (OLT) systems and Wireless Backhaul Gateways.

Manhattan is a 68 Gbps Multilayer Ethernet Switch with optional external table size expansion, targeting specific port configuration. Brooklyn is a standalone 100Gbps Multilayer Ethernet Switch targeting high performance, cost-effective access and aggregation application. Manhattan and Brooklyn inherit the same flexible service oriented architecture of Humber. They incorporate a variety of advanced L2/L3/MPLS features to meet today and tomorrow's requirements in Carrier Ethernet, Packet Transport and Enterprise Markets:

Industry first Flexible Table Management (FTMâ„¢) technology to support various profiles of MAC/IP/MPLS/ACL/Multicast under same hardware platform;

Flexible port configuration, supporting 1G, 2.5G and 10G interfaces, to meet different application environment; IPv4/IPv6 routing capability with various IPv4/IPv6 tunneling and transition features;

Hierarchy Quality of Service (H-QoS) capability with integrated TM, supporting 2K queues and queue/group level shaping;

Multiprotocol Label Switching(MPLS) and Transport Profile(MPLS-TP);

On-chip Ethernet Operation, OAM based on IEEE802.1ag and ITU-T Y.1731;

Protocol independent Automatic Protection Switching (APS);

Synchronous Ethernet and Packet Timing Protocols such as IEEE1588v2.

Samples of Manhattan (CTC6028) and Brooklyn (CTC5048) are scheduled to be available for the third quarter of calendar 2011. Pricing is available upon request.

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