

SAN JOSE, Calif., March 06, 2018 (GLOBE NEWSWIRE) -- Broadcom Limited (NASDAQ:[AVGO](#)), today announced the immediate availability of [Jericho2®](#) and [FE9600](#) - the next generation of the StrataDNX family of system-on-chip (SoC) Switch-Routers. Shipping within 24 months from its predecessor Jericho+, Jericho2 delivers 5X higher bandwidth at 70% lower power per gigabit.

Supporting high-density industry standard 400GbE, 200GbE, and 100GbE interfaces, Jericho2 offers 10 Terabits per second of Switch-Router performance. Coupled with groundbreaking innovations such as Elastic Pipe™ packet processing and large scale buffering with integrated High Bandwidth Memory (HBM), Jericho2 is designed to meet the most challenging needs of carrier networks while offering disruptive economics.

In addition to Jericho2, Broadcom is shipping FE9600, the new fabric switch device with 192 links of the industry's best performing and longest-reach 50G PAM-4 SerDes. At 9.6 Terabits per second fabric capacity, FE9600 offers over 50% reduction in power per gigabit compared to its predecessor FE3600.

These new SoCs provide a complete solution for service provider, cloud data center, and large enterprise networks.

"The Jericho franchise is the industry's most innovative and scalable silicon used today in various Switch-Routers by leading carriers," said Ram Velaga, Broadcom senior vice president and general manager, Switch Products. "I am thrilled with the 5X increase in performance Jericho2 was able to achieve over a single generation. Jericho2 will accelerate the transition of carrier grade networks to merchant silicon based systems with best-in-class cost/performance."

"The router market was dominated for years by OEM-ASIC companies with merchant silicon falling short in functionality and flexibility required for this challenging market," said Bob Wheeler, principle analyst at the Linley Group. "Jericho opened the door for merchant silicon to take some of this market. With the introduction of the new 10Tbps, feature rich, and highly flexible Jericho2, it will be even more challenging to justify the resources needed for continued OEM-ASIC development."

Carriers will upgrade their routed network infrastructure to address the major growth in bandwidth, driven by new services and the increased number of users, which coincides with the introduction of 5G mobile networks. Jericho2 opens service providers to a cost optimized, high-bandwidth, and low power choice for their router systems, thus revolutionizing the economics of building and maintaining edge, aggregation, and core networks.

Carrier networks require a high level of flexibility to address emerging use cases, standards, and protocols. Jericho2 introduces the innovative Elastic Pipe™ technology, an evolution of the StrataDNX field-proven programmable pipe architecture. The Elastic Pipe future-proofs Jericho2 Switch-Routers by enabling new services while avoiding costly hardware replacements. In addition, the innovative Modular Centralized Database capability of Jericho2's Elastic Pipe enables flexible deployments across different networks and in multiple locations within the same network.

StrataDNX Family Key Features

- [Jericho2 \(BCM88690\)](#)
 - Future-proofing via Elastic Pipe™
 - Flexible binding of a centralized database to any stage of the pipe

- Extending Jericho2 pipe via reserved general purpose stages
- High bandwidth, low power, and in-package HBM packet memory offering up to 160X more traffic buffering compared with on-chip memory, eliminating packet drops
- Up to 10Tb/s switching capacity per device
- High-speed, high-density port interfaces up to 400GE leveraging best-in-class 50Gb/s PAM-4 SerDes
- Carrier grade Hierarchical Traffic Manager
- Large scale, hardware-accelerated instrumentation and telemetry
- [FE9600 \(BCM88790\)](#)
 - Chassis switch fabric supporting 9.6 Tb/s per device
 - Interconnect for up to 192 BCM88690 devices providing total system capacity of 900 Tb/s
 - One generation of backward and forward compatibility

Availability

Broadcom is now shipping [Jericho2 \(BCM88690\)](#) and [FE9600 \(BCM88790\)](#) devices to qualified customers.