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## **AHA Announces DuroStream DS1 WAN Optimization Appliance for Protecting Critical Data Transmissions Against Packet Loss**

*For 1% packet loss, TCP/IP throughput is increased by 34x*

MOSCOW, Idaho--(BUSINESS WIRE)-- May 26, 2016--AHA Products Group announces the release of its [DuroStream DS1](#) WAN Optimization appliance.

For system architects designing systems with streaming or time-sensitive data that must operate over unreliable networks and are unsatisfied with the throughput of TCP or other protocols due to packet loss, DuroStream DS1 provides a resilient, full-duplex, point-to-point, layer 2 or layer 3 survivable tunnel that dynamically adapts to network conditions to maximize throughput and minimize latency.

At just 1% packet loss and 10ms round trip time, a normal unprotected link using TCP/IP will only achieve 2.6% of the theoretical throughput as opposed to 89.8% if the same link was protected with DuroStream. Forward error correction technology along with header and payload compression are employed to make sure protocol overhead and latency due to retransmissions are minimized while retaining the ability to overcome packet loss rates up to 97%.

The DuroStream DS1 appliance is particularly suited to protecting VoIP traffic, streaming video, live event broadcasts, public safety and critical infrastructure communications, business continuity and disaster recovery operations, remote backups, and general data transfer.

"AHA has leveraged our extensive experience optimizing communication links with forward error correction and data compression to develop this exciting new DuroStream product," stated Jeff Hannon, AHA's General Manager and VP of Engineering. "DuroStream provides significant value by allowing users to operate reliably over existing infrastructure that was previously unusable for the desired application."

DuroStream DS1 is available in a 1U rack-mountable chassis supporting WAN data rates up to 1Gbps with a 10Gbps solution under development.

### **About AHA Products Group**

For nearly three decades, Advanced Hardware Accelerators (AHA) has been the global leader in Lossless Data Compression and Forward Error Correction and now supports full digital modem solutions and crypto acceleration technologies. Based in Moscow, Idaho, the design center develops and markets ICs, PCBs, and IP Cores for commercial and government customers worldwide. AHA products are used in Network Transmission, WAN Optimization, Enterprise Storage, Satellite and Terrestrial Communications, and a wide variety of other systems where data throughput and integrity are vital. A recognized technology innovator, AHA has a reputation for exceptional product quality, reliability, outstanding customer service and is an AS9100 certified manufacturer. AHA Products Group is a division of Comtech EF Data Corp., a wholly owned subsidiary of Comtech Telecommunications Corp. For more information, please visit [www.aha.com](http://www.aha.com).

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