



PRESS RELEASE

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FOR IMMEDIATE RELEASE

Comtech AHA Announces 311 Mbit/sec Turbo Product Code Forward Error Correction Chip

New integrated circuit operates at OC6 speeds and is two times faster than the fastest commercial Turbo Product Code chip previously available

Pullman, Wash. – December 8, 2003 – Comtech AHA Corporation (CAC), a wholly owned subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL), today announced the release of the AHA4541 Turbo Product Code (TPC) Forward Error Correction (FEC) Integrated Circuit (IC). The AHA4541 is the first commercially available chip capable of 311 Mbits/sec payload data rates and channel rates up to 360 Mbits/sec. The AHA4541 joins other CAC firsts in FEC technology, including production of the first single-chip Reed-Solomon IC and the first commercially available Turbo Product Code hardware.

The AHA4541, operating at OC6 speeds, is designed for use in any application that requires very high data rates and demonstrated bandwidth efficiency issues or stringent data reliability requirements. Applications include satellite communications, cellular backhaul, microwave radios, mobile video surveillance equipment, cable modems, broadband wireless links and wireless digital broadcast equipment.

“As part of our commitment to provide the highest in forward error correction performance, we are pleased to announce this latest addition to our TPC family of products,” said Bill Thomson, CAC president. “The AHA4541 more than doubles the throughput of any previous Turbo code device to keep pace with the ever growing demand for faster data rates. Existing customers of TPC

technology will also benefit from an improvement in error correction performance afforded by the increased processing clock frequencies in the AHA4541.”

About the AHA4541

The AHA4541 is a single-chip Turbo Product Code (TPC) Forward Error Correction (FEC) Encoder/Decoder capable of 311 Mbits/sec data rates, with maximum channel rates of 360 Mbits/sec. The device integrates both a TPC encoder and decoder and can be operated in a full duplex mode. The AHA4541 supports block sizes from 256 bits to 16 Kbits and the programmable code shortening supports exact block sizes. In addition to TPC coding, the AHA4541 includes modulation and demodulation support for many common constellations. Other features include flow control with dual format synchronization, phase locking between channel and payload side clocks, DVB-type scrambler, helical interleaving and CRC computation.

Unlike single-pass decoding technology with hard-decision output, the AHA4541 chip is based on CAC's patented TPC technology that uses a soft-input, soft-output (SISO) decoder. The SISO decoder makes intelligent correction decisions based on retained confidence information. The turbo decoder iteratively corrects errors until it converges on the best results.

The AHA4541 device is fully backward compatible with the AHA4540 (a 155 Mbit/sec chip offered by CAC). This allows current AHA4540 customers to easily migrate to the AHA4541 in the future when they need even greater performance.

Price and Availability

Prototypes of the AHA4541A-PROTO are available in limited quantities now with volume shipping in Q1 2004. Contact CAC by telephone at 509-334-1000 or via e-mail at sales@aha.com for pricing information.

About CAC

Since 1998, Comtech AHA Corporation has been the only vendor to provide the TPC technology in hardware form and this latest offering proves that CAC continues to be at the leading edge of advanced Forward Error Correction solutions. In addition to the new AHA4541, CAC's family of TPC devices includes the AHA4501, AHA4522, AHA4524, AHA4525, and AHA4540.

Comtech AHA Corporation develops and markets superior integrated circuits and intellectual property core technology for communications systems architects worldwide. CAC provides flexible, cost-effective solutions for today's growing bandwidth and reliability challenges. Located in Pullman, Wash., CAC has been setting the standard in Forward Error Correction and Lossless Data Compression technology for more than a decade and offers a variety of standard and custom hardware and IP solutions. For more information, visit www.aha.com. Comtech

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AHA Corporation is a wholly owned subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL).

Editors note: AHA4541 product sheet can be downloaded from http://www.aha.com/show_pub.php?id=163&BROKENMSIE=1/ps4541_1203.pdf

Certain information in this press release contains statements that are forward-looking in nature and involve certain significant risks and uncertainties. Actual results could differ materially from such forward-looking information. Comtech Telecommunications Corp.'s Securities and Exchange Commission filings identify many such risks and uncertainties. Any forward-looking information in this press release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

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