# ALTA ANNOUNCES MULTI-CHANNEL, FULL FUNCTION MIL-STD-1553 IN-LINE THUNDERBOLT™ PRODUCT

*Innovative Packaging Embeds 1553 Network Controls Directly in PCI Express Cable*

RIO RANCHO, NEW MEXICO, USA, August 3, 2021 /EINPresswire.com/ -- Alta Data Technologies, LLC (Alta) announces the release of a MIL-STD-1553 Thunderbolt interface appliance: NLINE-T1553™.  The product embeds the industry-leading MIL-STD-1553 protocol engine, AltaCore™ directly into the Thunderbolt cable assembly.  With this new product, a customer has full-featured controls for 1-2 channels of 1553 BC, RT and BM functions via a Thunderbolt USB-C connection.  Combined with the standard AltaAPI™ software development kit (SDK), and advanced signal capture o-scope capabilities, this product offers unmatched 1553 functionality and ease of deployment for aerospace platforms.  The NLINE-T1553 is available now for immediately COTS delivery.



NLINE-T1553 MIL-STD-1553 PCI Express Thunderbolt Controls

Per Harry Wild, VP of Sales for Alta, "The NLINE is a logical extension to the very successful real-time Ethernet ENET™ product line, and recently released 1553 Thunderbolt™ and USB 3 appliances.  For deployed systems or lab usage, the NLINE-T1553 product opens up many 1553 integration options.  For example, the customer can take an application developed for desktops or servers, and use this exact same application on a notebook with an NLINE-T1553.  And there is signal capture, which is an o-scope capability built-in to help troubleshoot cabling and cybersecurity issues.

This new NLINE-T1553 product provides 1-2 channels of full 1553 network controls via a rugged

in-line cable.  Our team did an amazing amount of R&D to develop new packaging techniques to embedded our 1553 design directly into MIL-810G/461F qualified cable assemblies, even with operational, water immersion, and 60K altitude with the NLINE-E1553 Ethernet product.  Now customers can literally connect up and go."

Jake Haddock, Alta CTO, states "With our new manufacturing technology, we can design and build in-line 1553 and ARINC products to the utmost rugged capability with 38999 or custom connectors. The Thunderbolt interface provides full PCI Express (PCIe) functions of a 1553 interface board, even hardware interrupts. In most cases, the exact same application code as used with a PCIe card can be used with the NLINE-T1553. The customer can now decide to burn a PCIe card slot, or use an external device via an in-line USB-C cable."

**Alta Data Technologies, LLC**

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Alta receives prestigious vendor award for industry leading 1553 and ARINC products

About Alta Data Technologies
Alta is a rapidly growing (over $150M+ in sales in 14 years!), a private company that provides industry-leading COTS 1553 and ARINC interface products.  Products are offered in high-density

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*Harry Wild, VP of Sales*

channel counts and Ethernet configurations, IRIG Time Code Decoder, Triggers, Discretes and the advanced AltaAPI and SAE AS4111 5.2 AltaRTVal ™ software packages.  Common products include form factors of PCI Express, PMC, XMC for various computer systems such as VPX, VME, cPCI/PXI, PXIe, Mini PCI Express. Operating system platforms include MS Windows 32 and 64-bit, National Instruments' LabVIEW & Real-Time, Wind River's VxWorks, Green Hills Software Integrity, Linux x86 32 and 64-bit. Trademarks are property of their respective owners

and Thunderbolt is a trademark of Intel.  www.altadt.com

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