Overview

Company: Headquartered in Milford, Connecticut USA, with representative and support offices worldwide. Products are made in the USA, Trade Agreements Act (TAA) compliant, and comprise Commercial Off the Shelf (COTS) technology. Thinklogical is a subsidiary of Belden, Inc. (NYSE: BDC), a global provider of cabling and connectivity systems based in St. Louis, Missouri.

Products: Secure, high-performance signal extension and switching systems. Information Technology (IT), Audio Video (AV), Video Distribution System (VDS), Keyboard, Video, Mouse (KVM), and Video Teleconferencing (VTC) peripheral data integration and distribution systems for C2/C4ISR and related, video-rich application use cases.

Capability: The only mid-to-large scale fiber-optic IT, AV, VDS, KVM, and VTC signal management devices that are information assurance (IA) accredited to distribute *multiple* classifications (unclassified, coalition, secret, top secret, etc.) through a single switch, to distances up to 80km, without alteration or compression while maintaining near-zero (microsecond) added latency. Solutions enable instant situational awareness and faster decision-making and simplify C2 system management while reducing AV and IT infrastructure size and cost.

Accreditations: Common Criteria EAL4, Department of Defense Information Network (DoDIN) Approved Products List (APL), DoD Unified Capabilities Requirements (UCR), Cybersecurity (CS) Information Assurance (IA), Joint Interoperability Test Command (JITC) Interoperability (IO), DoD Risk Management Framework (RMF), Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIGs), Underwriters Laboratory (UL), NATO Information Assurance Product Catalogue (NIAPC) Evaluation Scheme: GREEN, and ISO compliant.

Executive Summary

Thinklogical, A Belden Brand, is a US-based manufacturer of secure, high-performance, networked, signal extension and switching infrastructure products designed for defense, intelligence, and homeland security applications. Systems enhance headquarters command and control/C4ISR, joint operations centers, secure VTC, UAV ground stations, air operations, naval ship combat information center, and simulation and training applications, among others.

Thinklogical systems allow organizations to access and distribute video-rich, multiple-classification information -- from any source to any authorized destination -- for increased collaboration, enhanced situational awareness and improved mission flexibility, quickly and securely.

Thinklogical's product portfolio comprises a wide range of uncompressed, high-bandwidth (up to 10Gbps) signal management solutions ranging from audio, video, KVM (keyboard, video and mouse), and USB extenders and matrix switching systems, as well as image processors, signal converters, and camera extension products.

Thinklogical extenders and matrix switches support all common AV and IT signal formats and interfaces, including: DVI, Dual-Link DVI, HDMI, DisplayPort, RGB, VGA, 3G/6G/12G SDI, , SD/HD/2K/UHD/4K, SMPTE standards 424M, 292M, 259M, 372M, 425 level A and B, PS/2, USB keyboard & mouse, USB HID/1.1/2.0/3.0 (2.0 at 480Mbps), USB C, FireWire 800, Analog Bi-Directional Stereo Audio (balanced & unbalanced), Digital Audio (AES3 & S/PDIF),10/100 Ethernet, RS-232/422, and more.

Systems are information assurance (IA) accredited to the Common Criteria EAL4, NATO Information Assurance Product Catalogue (NIAPC) Evaluation Scheme: GREEN, TEMPEST SDIP 27 Level B, and U.S. DoD Defense Information Systems Agency (DISA) Joint Interoperability Test Command (JITC) Unified Capabilities Requirements (UCR) APL 2013. Thinklogical is certified to ISO 9001:2015.

Why Thinklogical?

Thinklogical enables defense and intelligence organizations to instantly transmit video-rich data to achieve faster situational awareness for decision making. Desired mission outcomes require reliable access to the right information at the right time.

Mainstream audio-visual and IT systems are not designed for secure command and control applications, and they are not designed or approved to manage several sources and types of information with multiple classification levels. Such organizations typically maintain separate and parallel air-gapped data infrastructures – one for each classification or network – to accomplish what Thinklogical provides in a single IA-accredited system. Thinklogical allows agencies to be more flexible, efficient, and productive, reducing IT and AV system complexity, and lowering the overall total cost of ownership. Thinklogical systems can…

- *Deliver* 100% accurate audio, video, and data information from any data source to any destination instantaneously.
  - Enhance real-time collaborative workflows through "any-to-any" switching and sharing of video and data; any information source can be delivered to any workstation, SCIF or leadership enclave, conference room or video wall as authorized, enabling faster analysis and situational awareness.
- *Enable* authorized access to any network at any level of classification; streamline workflow and reduce information sharing complexity. Seamless collaboration with other authorized users occurs using simple keystrokes and mouse movements.
- *Provide* uncompressed, high-bandwidth signal transmission without altering or modifying the source signal or data in any way.
- *Create* adaptable configurations to meet changing mission requirements without re-cabling or moving hardware. Immediately increase or decrease security classification of a workstation and/or entire C2 center based on mission requirements or personnel access permissions.
- *Increase* the cyber security profile and reduce insider threat by moving computers and clients from the workspace to a secure IT server room - eliminate user access to systems, hard drives, and USB ports.
  - Consolidating and move computers (and other IT hardware such as VDI clients and VTC codecs) from the floor to the IT server room also enables resource pooling and system sharing, resulting in more flexible information access, reduced hardware and software license costs, lower maintenance, and other network management savings.

US DoD and NATO Approved and Deployed in Highly Secure Facilities

Users include all branches of U.S. DoD, U.S. intelligence community, NATO, allied and partner nations. Installed and activated with ATOs (authority to operate).