

Thinklogical provides secure, high-performance, fibre optic KVM (keyboard, video, mouse) extenders and matrix switches that offer uncompressed, high-bandwidth signal management and distribution for mission-critical defence, intelligence and security applications.

### ACHIEVE INSTANT SITUATIONAL AWARENESS

Thinklogical helps defence and intelligence organisations securely manage video-rich ISR data to enable instant situational awareness, a warfighting edge, increased output and lower operational costs.

### ENABLE REAL-TIME COLLABORATION

We deliver data from any source to any destination, instantaneously, providing authorised access to any network at any level of classification through a single highly-secure infrastructure. This streamlines workflows, increases mission responsiveness, and reduces operational complexity, enabling improved collaboration and faster, better-informed decisions.

### MULTIPLE CLASSIFICATIONS. ONE SYSTEM.

Thinklogical offers the market's widest range of scalable fibre optic matrix switches certified to manage multiple classifications of information through a single switch chassis, reducing AV and IT equipment acquisition costs, simplifying authorised information access, and improving collaborative workflows.

### REDUCE THE INSIDER THREAT

Secure signal extension systems enable computers and VDI clients--and their vulnerable USB ports, hard drives, and network interfaces--to be removed from the workspace and back-racked in secure IT machine rooms. This increases premise cyber-security and reduces the chance of intentional hacking or accidental data loss or breach.

### LOWER TOTAL COST OF OWNERSHIP

Dramatically reduce the amount of equipment and cabling required when compared to traditional AV and IT architectures, enabling resource sharing, lowering acquisition costs, and simplifying ongoing management.

Save time and money while increasing flexibility to quickly reconfigure systems to meet changing mission requirements.

### CERTIFIED SIGNAL ISOLATION ARCHITECTURE

With Thinklogical extenders and matrix switches, you can back rack computers in a secure IT data room and maintain Information Assurance (IA) certified isolation between multiple classified and non-classified networks through a single matrix switch.

This reduces or eliminates the need to air-gap parallel networks at the desktop, increasing premise data security, simplifying AV and IT system management, and reducing overall infrastructure costs. Our solutions fully comply with SDIP-29.

### INFORMATION ASSURANCE ACCREDITED

Thinklogical products have achieved Common Criteria EAL4, U.S. DoD JITC DoDIN APL, and TEMPEST SDIP-27 Level B certification for multi-classification computer KVM and video distribution system (VDS) infrastructures. All our matrix switches are approved for use by NATO and are listed in the NATO Information Assurance Product Catalogue (NIAPC).



CONTACT US TO GET STARTED:

[sales@thinklogical.com](mailto:sales@thinklogical.com)

**thinklogical**

A BELDEN BRAND

**COMMAND & CONTROL**

LAND • MARITIME • AIR • SPACE • CYBER



# MULTIPLE DOMAINS MULTIPLE CLASSIFICATIONS ONE SOLUTION

## SECURE HIGH PERFORMANCE KVM EXTENSION & SWITCHING SOLUTIONS



**Manage Multiple Classifications** through a Single Infrastructure



**Achieve Instant Situational Awareness** and Information Advantage



**Enable Real-Time Collaboration** and Decision Dominance



**Increase Cyber Security** and Reduce Insider Threat



[thinklogical.com](http://thinklogical.com)

## THE FUTURE IN MULTI-CLASSIFICATION, MULTI-DOMAIN OPERATIONS

Thinklogical's accredited multi-classification/multi-domain technology offers today's war-fighter true multi-domain interoperability. The technology also significantly improves the internal layout of headquarters, operations/mission planning rooms and command and control nodes, be they static or mobile, large or small.

Thinklogical enables the removal of the majority, if not all, of the computers from the working floor plate. The weight, the distributed power demand, maintenance routines and the size and shape of the facilities are all significantly reduced.

The required information, decision and execution management information is provided from a dedicated server room(s). This can be physically protected, secured and/or dispersed. The technology significantly reduces the insider cyber threat as well as decreasing heating/cooling and ventilation requirements. The systems can also be integrated with cloud solutions.

The enhanced ergonomics of the Thinklogical solutions provide system efficiencies to do more with less. The reduced footprint eases the struggle for space within the HQ and any dispersed command and control nodes.

## INCREASED COMMAND FLEXIBILITY & GREATER CHOICE OF LOCATION

Full functionality can also be maintained or replicated in alternative, supporting, auxiliary or satellite facilities. These are connected through the fibre optic system without any delays in data transmission.

If a primary connection is damaged, Thinklogical's resilient technical design automatically uses instantly

available, redundant connections between the server rooms and destination desks.

Alternative command and control locations for contingency or emergency scenarios will only be secondary in name and not in function.

Personnel will be able command, operate, maintain, and reconfigure their facilities with much greater flexibility, reduced workforce requirements, increased operational effectiveness and information security.

## MOBILE & AIR TRANSPORTABLE OPTIONS

Thinklogical offers the battle winning advantage of a better whole force situational awareness by distributing a much quicker, comprehensive, and clearer picture to those who need it, when they need it.

External and internal "picture on demand" is now available at many more locations throughout the operating base, across the entire battlespace and in every domain.

Instantly exchange information between operator workstations and/or a 'smart wall' enhancing wider situational awareness and enabling quicker decision making in dynamic situations.

Thinklogical's technology is highly suitable for expeditionary operations, is air transportable and adapts to containerisation on every scale. Whatever facility is required, it can be reconfigured to meet changing security or operational needs at a touch of the control panel.

Thinklogical's equipment is suitable for storage in modular, ruggedised boxes for further size, weight, and power efficiencies.

It can be rapidly installed to meet emergent taskings such as mobile AirC2 units or Brigade HQs and can also be installed in vehicles and containers for mobile command platforms and posts.



C2 OPERATIONS  
CENTRE

DEPLOYABLE  
C2 CENTRE

CONTACT US TO GET STARTED:  
[sales@thinklogical.com](mailto:sales@thinklogical.com)