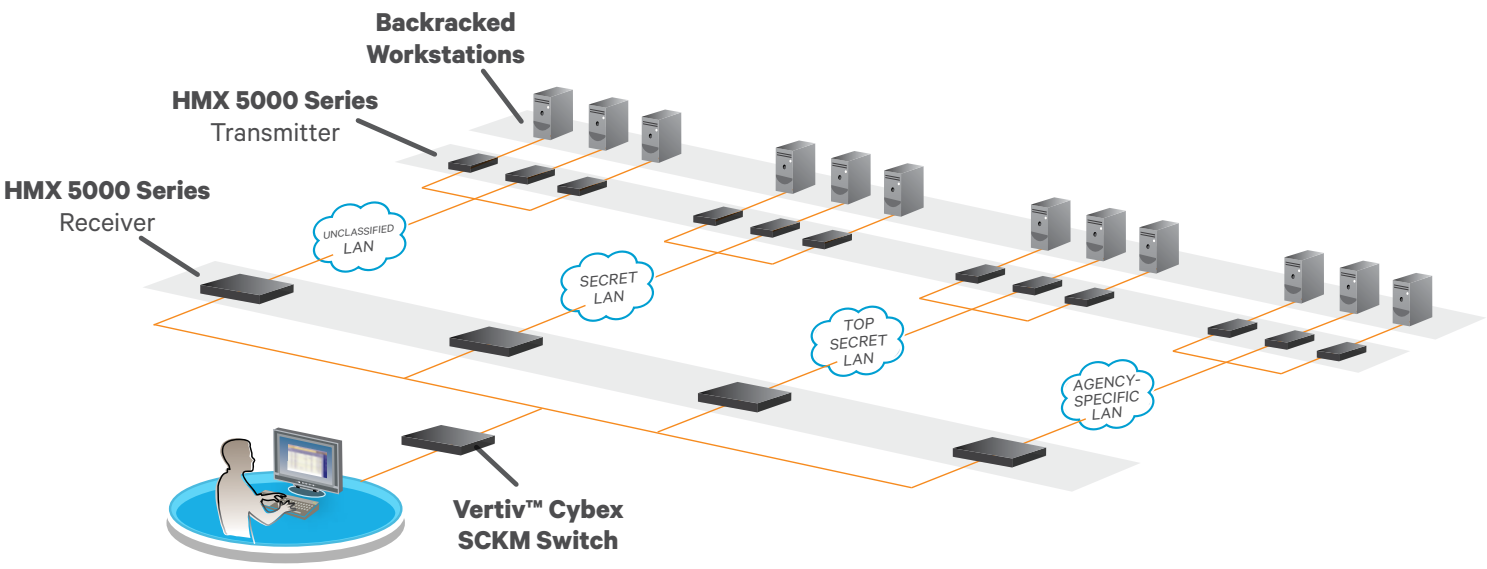
FAST AND SECURE ACCESS TO MULTIPLE-CLASSIFICATION ENVIRONMENTS AT ANY DISTANCE

Government Applications



The solution in a four-domain implementation.

IMPORTANT POINTS

- **Remote Computer Access**
  Users have secure, rights-based access to the full computer/device experience from their desks.
- **The Avocent® HMX System with Lossless Video Compression Technology**
  The Avocent HMX solution uses an advanced proprietary and patented Video Compression designed for the pixel perfect transfer of monitor/video data across distances and optimized for high-quality, real-time KVM performance.
- **AES 128-Bit Security**
  All HMX system communication is transmitted securely using AES 128-bit encryption.
- **Common Criteria Validated**
  EAL4+ validated desktop KM switches provide a proven secure front end.

Secure Desktop over IP with Common Criteria Validated EAL4+ Front End

Enable users to securely access multiple remote systems with a transparent, "next-to-the-machine" user experience while preserving data assurance.

Secure and validated high-quality remote access

Modern data security standards often have to straddle the line between the flexibility and the stringent standards needed to ensure data security and information assurance. Avocent® products provide the proven reliability that over 90 percent of Fortune 100 companies and federal agencies trust them on a daily basis. They offer flexibility and security that modern mission-critical environments demand to operate at peak performance.

When dealing with multiple-classification environments the ability to quickly access remote resources can sometimes be limited by the guidelines set by information assurance protocols. Vertiv™ solutions provide a completely Common Criteria validated front end with the proven performance of the Avocent HMX high-performance extension KVM providing secure AES 128-bit, encrypted remote access within the classification level.

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Secure Remote Access

The Market

Multi-classification environments present unique challenges for administrators, information assurance experts and users alike. Ensuring that data cannot bleed over from unclassified to classified systems is the top priority and helps prevent accidental data security breaches. As daily tasks become more complex, it has become necessary for many to access several systems quickly while preserving high-quality user experience. Common Criteria validates devices that have been specifically designed to preserve domain integrity and prevent any information pass between classification levels.

Data architects and information assurance professionals often have to compromise user experience in order to ensure data security but Avocent® high-performance KVM products provide a solution that is Common Criteria EAL2+ validated while bringing a new dimension of modularity and performance.

The Solution

Security and performance can be achieved by combining the two market-proven solutions. The Vertiv™ Cybex SCKM series is the first KM solution specifically developed with the needs of highly sensitive environments in mind. The secure desktop switch acts as a fully Common Criteria compliant front end to the Avocent HMX high-performance extension KVM, which provides the ability to connect to multiple devices at any distance on its own HMX network.

By attaching one Avocent HMX receiver per Vertiv Cybex SCKM desktop KM port, you can create multiple Avocent HMX networks with each one restricted to one domain and protected from any data crossover by the Common Criteria validated desktop KM switch.

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