



# Market Central<sup>®</sup>

[www.secureswitch.com](http://www.secureswitch.com)

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## SecureSwitch<sup>®</sup> N:1 Fiber Optic Switch



Validated under the Common Criteria at EAL2  
Suitable for use in multi-domain classified and unclassified networks

### Features & Specifications

- Applications from 1-to-1 access control (ON/OFF) to 8-to-1 network selection
- Available in single mode and multimode models
- Front panel pushbutton manual control
- Dry contact closure remote control and status interfaces, front panel controls can be locked out via remote control interface
- Remote Switching Control Input Port: (1) 9 pin pluggable terminal block connector
- Remote Switching Control Status Port: (2) 8 pin pluggable terminal block connectors
- Switched AC Power Outlet: protected by circuit breakers, 10 Amps max @ 250 VAC (resistive load); OFF time is 60 seconds minimum (67 seconds typical)
- Connectors: (up to 8) duplex ST connectors for ports A thru H (as applicable per model), (1) duplex SC connector for COMMON port
- Size 1U Metal Desktop Enclosure: 1.75" H x 17" W x 11.2" D (add 0.2" to Height for rubber feet)
- Size Rack-mount Enclosure: 1U (1.75") H x 19" W x 12.2" D (including rack handles)
- Weight 1U metal and Rack-mount: 6 pounds
- Power: 90 – 264 VAC, 47 – 63 Hz, 5 W (42 mA @ 120 VAC) at power up, 2.5 W (21 mA @ 120 VAC) operating



This switch series is directly based on the widely deployed SecureSwitch® Fiber Optic A/B/C Switch Revision B (part # 5101186). It is a Layer 1 physical switching system in which all-optical switch mechanisms operate directly on the optical data beams without any intermediate electronic conversions. This design is inherently immune to surveillance methods which rely on the detection of the electronic fields that are generated in traditional copper-based network cables and circuits.

Applications ranging from ON/OFF access controls to the selection of as many as 8 networks of different security classifications can be simply and efficiently managed with these switches. Their exceptionally high isolation satisfies the requirements of TEMPEST and other specifications. Manual control is performed using front panel pushbutton switches. Front panel LEDs provide connection status. Remote status and control is available using the rear panel dry contact closure interfaces. No special technical knowledge is needed to install or operate these devices.

Network managers and system integrators can easily incorporate SecureSwitch® N:1 Fiber Optic Switches in advanced access control networks for multi-domain video conferencing systems and other applications that require the management of the connection of a common device to one or more networks, systems or other devices.

Market Central has specialized in the design, development and manufacture of Layer 1 switches and switching systems for more than three decades. Products are installed in diverse government, military, industrial and commercial applications worldwide.