



SECURE ETHERNET SWITCH

Share a single device across up to 4 separate networks.

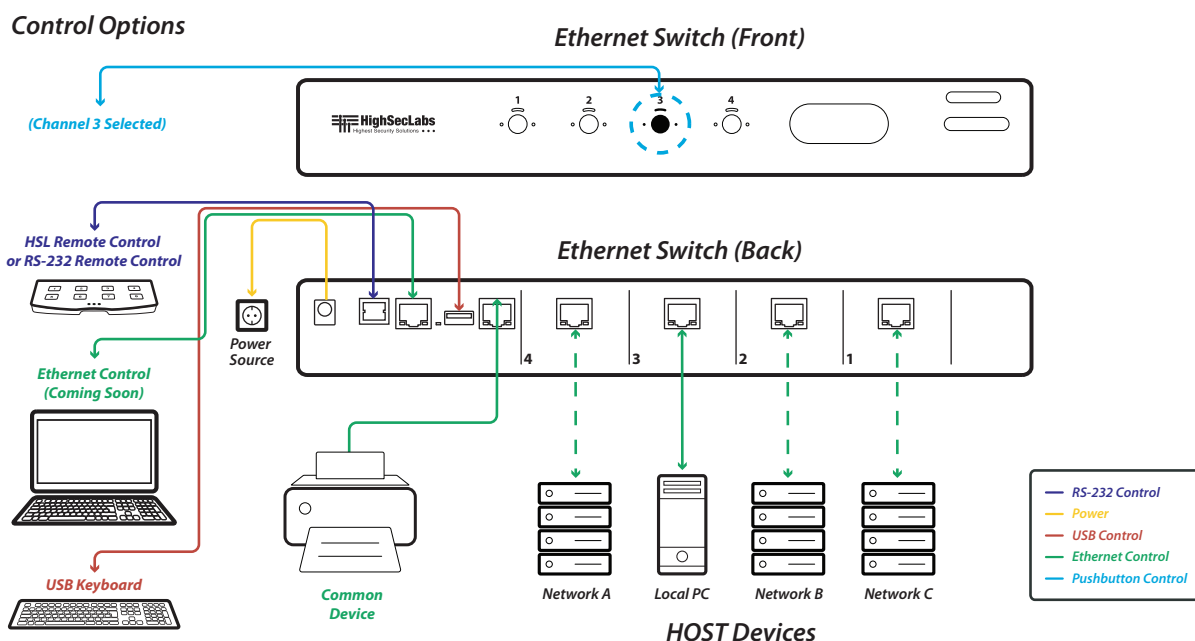
High Sec Labs' Secure 4-Port Ethernet Switch provides convenience without sacrificing security, enabling a single Ethernet-connected device to be shared across four air-gapped networks. Its built-in electromechanical relays ensure a complete disconnect between the connected

host devices, allowing devices of different security levels to share a common device while keeping other networks completely disconnected. This reduces clutter and eliminates the hassle of plugging and unplugging cables to switch between host devices.

SECURE ETHERNET SWITCH HIGHLIGHTS

- Secure Connection**
 Connect devices on different security networks to a single shared device while maintaining isolation between sources.
- Fail-Safe Isolation**
 All ports remain isolated even during power loss, helping prevent unintended connections between networks.
- EMI/RFI Shielding**
 The all-metal enclosure provides protection against electromagnetic and radio-frequency interference.
- Gigabit Ethernet**
 Supports 1 Gbps Ethernet through shielded, Cat 6-compliant RJ-45 interfaces.
- Transparent Data Transmission**
 Relays Ethernet data between the selected source and shared device without interfering with data transmission.
- Break-Before-Make Switching**
 Electromechanical relays switch all eight Ethernet pins, disconnecting the active source before connecting another to prevent overlapping connections.
- Manual Pushbutton Controls**
 Select the active source directly using the front-panel pushbuttons.
- Remote Control**
 Switch channels, lock front-panel buttons, and manage switch settings using supported Ethernet, USB, or RS-232 commands.
- 60 dB+ Port Isolation**
 Provides 60 dB+ of hardware-based isolation between sources to help prevent information leakage between connected networks..

INSTALLATION DIAGRAM



OPERATIONAL HIGHLIGHTS

- Simplified Device Sharing**
 Connect one of four Ethernet sources to a single shared device, reducing cable clutter and eliminating manual cable swapping.
- Clear Status Indication**
 Front-panel LEDs indicate power status and identify the source currently connected to the shared device.
- Flexible Control Options**
 Select sources using front-panel pushbuttons or remote commands via USB or RS-232. Ethernet control can also be mentioned once availability is confirmed.
- Straightforward Integration**
 Compatible with standard 1 Gbps Ethernet devices, the SL41N-M integrates into existing network environments without altering Ethernet data transmission.

SPECIFICATIONS

PART NUMBER	SL41N-M
CONSOLE PORTS	
Console LAN Port	1Gbps with configurable LAN setting, for LAN control
Console USB Port	1x USB 2.0 Type A, for USB control
Console Serial Port	1x RJ14 female, for RS-232 control
DEVICE PORTS	
Device LAN Ports	4x RJ-45 1Gbps CAT 6 shielded
Shared LAN Port	1x RJ45 1Gbps CAT 6 shielded
PHYSICAL	
Dimensions	342x148x42mm / 13.4x5.8x1.6in
Weight	0.6kg / 1.32lb
POWER	
Power Consumption	5W max
Power Supply	12V 2.5A DC
ENVIRONMENTAL	
Operating Temperature	-20°C to 60°C / -4°F to 140°F
Storage Temperature	-40°C to 70°C / -40°F to 158°F
Humidity	0%-80% RH, non-condensing
Altitude	Up to 50,000ft

ORDERING INFORMATION

Model Number	SL41N-M
Part Number	CPN37665

SL41N-M Front Panel



SL41N-M Rear Panel

