AUTOMATIONDIRECT.com
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StrideLinx™ Industrial VPN Router

Connecting to your StrideLinx Router

1. Create your company account at https://www.StrideLinx.com and log in.
2. From your StrideLinx account create a configuration file for the device at App Menu (⁝⁝⁝) > Fleet Manager > Tools > Start Configuration.

   This file will include any parameters needed to connect the router to a WAN, WiFi network, or LTE cellular service.

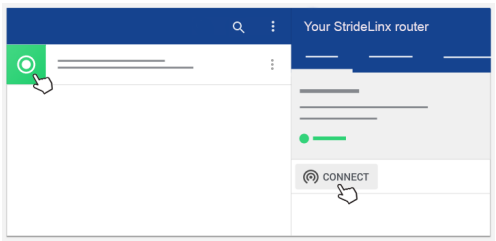
   If you are using an LTE cellular model, please be sure to register your SIM card. In the StrideLinx configuration, please insert the SIM card APN and PIN code for your particular cellular service.

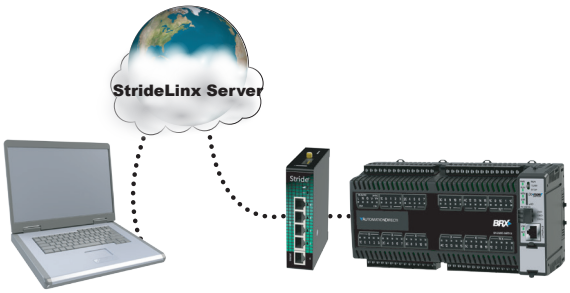
3. Save the configuration file to the root directory of a USB flash drive and plug the drive into your StrideLinx router. Ensure the file name is router.conf; if it was created with a suffix, rename it to router.conf.
4. Insert a SIM card (Models SE-SL3011-4G and SE-SL3011-4GG only) and connect an antenna or WAN Ethernet cable.

NOTE: A SIM CARD AND DATA PLAN ARE REQUIRED FOR 4G LTE OPERATION. ANTENNA REQUIRED FOR WIFI AND 4G MODELS AND MUST REMAIN CONNECTED DURING OPERATION.

WARNING: DO NOT INSERT OR REMOVE THE SIM CARD WHEN POWER IS APPLIED TO THE ROUTER.

5. Power on the StrideLinx Router and wait for the configuration to be downloaded (indicated by the Status LED changing from solid red to blinking red).
6. Wait for the router to connect to the internet and register itself on the StrideLinx Server (indicated by the Status LED changing to blinking blue then solid blue).
7. Once the router has registered itself on the server, it will appear in your company account as a new device. Click its entry in the Devices list, enter a name for the device and click ACTIVATE. When the device has been activated and is online, a green icon will appear beside its entry in the Devices list.
8. To connect to the VPN from a PC, first download and install the VPN client, located under App Menu (⁝⁝⁝) > Fleet Manager > Tools > Download Installer.
9. After the VPN Client is installed, log in to your StrideLinx account, select the device and click the CONNECT button to securely connect to it.





StrideLinx Industrial VPN Router Models			
Part Number	*Gigabit Ethernet*	*WiFi*	*4G LTE*
SE-SL3001*	✓		
SE-SL3011			
SE-SL3011-WF	✓	✓	
SE-SL3011-4G (AT&T)	✓		✓
SE-SL3011-4GG (global)			

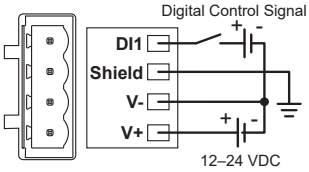
* SE-SL3001 does not support data logging or notifications.

Power Wiring

The StrideLinx router can be powered from the same DC source that is used to power your other devices. To maintain the UL listing, this must be a Class 2 power supply. A DC voltage in the range of 12 to 24 VDC needs to be applied between the V+ terminal and the V- terminal as shown below. A recommended DC power supply is **AutomationDirect.com** part number PSL-24-030. The Shield terminal must be connected to the ground conductor with minimum 16 AWG copper wire.

Terminal block connector is Weidmuller BL 5.08/04/180 SN BK BX or equivalent.

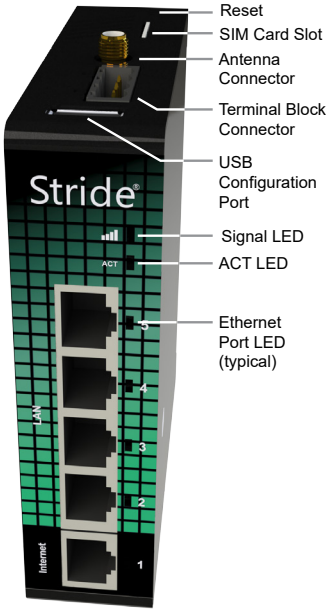
Wiring Details	
Terminal screw torque	3.5 lb-in (0.4 N·m)
Wire Size Range	18–12 AWG
Max Wire Length	3m (9.84 ft)
Wire Strip Length	7mm



Digital Input (DI1)

A software-configurable Digital Input is provided to allow local control of access to the router.

Digital Input Details	
Type	Optocoupler
DI Voltage Range	0–29 VDC
DI OFF State Voltage Range	0–3 VDC
DI ON State Voltage Range	7–29 VDC
DI ON State Current Range	2–5 mA (typically)



Front Panel LEDs

Front Panel LEDs		
LED	*State*	*Description*
ACT	ON, Blue	Connected
	Blinking, Blue	Connecting
	ON, Red	Booting/ not yet registered
	Blinking, Red	System alarm, see manual
Signal	ON, Blue	Connected, good reception
	ON, Purple	Connected, medium reception
	ON, Red	Connected, poor reception
	Blinking, Blue	Initializing
	Blinking, Red	Invalid PIN or PUK
Ethernet	ON, Blue	Link up
	Blinking, Blue	Data activity

SIM Card

(#SE-SL3011-4G and SE-SL3011-4GG only)
Insert the SIM card into the slot until you feel a click, then release. SIM card should be flush with the enclosure.

To remove, press until you feel a click, then release. SIM card will partially eject. Never insert or remove the SIM card when power is applied to the router.

Reset to Default Settings

The router will be RESET to FACTORY DEFAULT by pressing the RESET button on the top of the router for 3 seconds.

The router must be reconfigured after reset.

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RoHS Compliant

AT&T Network Ready Device

Model SE-SL3011-4G Only

Power Details	
Input Voltage	Class 2 LPS Power Supply, 12-24 VDC
Maximum Input Power	10W
Maximum Input Current	2A
Internal Voltage Protection	29V max
Reverse Polarity Protection	Yes
Isolation	1.5 kV

General Specifications	
USB	USB 2.0 (for configuration only)
Processor	MIPS 800MHz
Digital Input for Local Control	Yes
Operating Temperature Range	-20°C to +65°C [-4°F to +149°F]
Storage Temperature Range	-20°C to +65°C [-4°F to +149°F]
Relative Humidity	10 to 95% non-condensing
Operating Altitude	Up to maximum 2000m
Storage Altitude	Up to maximum 3000m
Environmental Air	For use in Pollution Degree 2 Environment. No corrosive gases permitted.
EMI	FCC CFR47 Part 15, EN55022/CISPR22, Class B
EMS	IEC61000-4-2 (ESD): ± 8kV (contact), ± 15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz ~ 2GHz) IEC61000-4-4 (EFT): Power Port ± 4kV; Data Port: ± 2kV IEC61000-4-5 (Surge): Power Port: ± 2kV/DM, ± 4kV/CM; Data Port ± 2kV IEC61000-4-6 (CS): 10V (150kHz ~ 80MHz)
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
Packaging and Protection	Metal case, IP20
Mounting	DIN rail
Dimensions	111 x 95 x 28mm (excluding DIN rail clip)
Weight	270–310 gram
Certification	CE, cULus, RoHS, REACH, AT&T (SE-SL3011-4G), FCC
Warranty	2 years
Agency Approvals	UL/cUL 60950-1, CE

Ethernet Interface	
Ethernet ports	Five GbE (4x LAN, 1x WAN)
Port Type	Shielded RJ45
Auto-Crossover	Yes, allows you to use straight-through or crossover wired cables
Auto-Sensing Operation	Yes, full and half duplex
Auto-Negotiating Speed	Yes
Flow Control	Automatic
Operating Mode	Store and forward wire speed switching, non-blocking
Devices Supported	All IEEE 802.3 compliant devices are supported
Protection	Built-in 1.5 kV magnetic isolation
Cable Requirements	Twisted pair (Cat5e or better) (shielded recommended)
Max. Cable Distance	100 meters

WiFi Specifications (P/N SE-SL3011-WF Only)	
WiFi IEEE 802.11 Version	b/g/n
WiFi Modes	Station (Client) Mode and Access Point
Speed	72 Mbps
Antenna Connection	RP-SMA plug (male)
Antenna Connector Torque	3–5 lb·in [0.3–0.6 N·m]
FCC ID	XPYLILYW1

4G LTE Specifications for SE-SL3011-4G Only	
Protocols and Frequencies (AT&T)	LTE-FDD - B2, B4, B12 WCDMA - B2, B4, B5
Speed	LTE-FDD: Max. 150 Mbps (DL)/Max. 50 Mbps (UL) WCDMA: Max. 384 kbps (DL)/Max. 384 kbps (UL)
Antenna Connection	Two (2) SMA plugs (male)
Antenna Connector Torque	3–5 lb·in [0.3–0.6 N·m]
SIM size	Standard SIM (2FF)
FCC ID	XMR201605EC25A

4G LTE Specifications for SE-SL3011-4GG Only	
Protocols and Frequencies (Global)	LTE FDD: B1,B2,B3,B4,B5,B7,B8,B12,B13,B18,B19,B20,B25,B26,B28 LTE TDD: B38,B39,B40,B41 WCDMA: B1,B2,B4,B5,B6,B8,B19 GSM: B2,B3,B5,B8 GPRS: B2,B3,B5,B8
Speed	LTE-FDD: Max. 150 Mbps (DL)/Max. 50 Mbps (UL) LTE-TDD: Max. 130 Mbps (DL)/Max. 30 Mbps (UL) WCDMA: Max. 384 kbps (DL)/Max. 384 kbps (UL) GSM (EDGE): Max. 296 kbps (DL)/Max. 236.8 kbps (UL) GPRS: Max 107 kbps (DL)/Max. 85.6 kbps (UL)
Antenna Connection	Two (2) SMA plugs (male)
Antenna Connector Torque	3–5 lb·in [0.3–0.6 N·m]
SIM size	Standard SIM (2FF)
FCC ID	XMR201903EG25G

SAFETY NOTICE: The **StrideLinx VPN router** allows the user to connect to remote industrial controls equipment from Ethernet, Wi-Fi, or cellular network connections. The remote user may fully operate and monitor the local control system and affect the function and control of the application just as the local operator controls it. **Proper Control, Security and Safety Procedures** should be considered and implemented when utilizing the remote access feature.

Additional Help and Support

- For additional product support, specifications, and installation, a User Manual, SE-SLVPN-USER-M, is available as a downloadable PDF file from the Online Documentation area of ***www.AutomationDirect.com***
- For additional technical support and questions, call our Technical Support team @ 770-844-4200.

Warning for WiFi and 4G models:

The antenna used with this transmitter must be installed with a separation distance of at least 20cm from all persons and must not be co-located or operated in conjunction with any other antennas or transmitters. Only an antenna tested with the wireless transmitter or a similar antenna with equal or lesser gain may be used.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.