



## LES-5160P OVERVIEW

LES-5160P is a 16-slot Ethernet cable Cat-5e simulator. Upon different commands, it can simulate different network cable lengths, including 3 Modes: Bypass, Short, 100M. It can be used independently or jointly with other devices.

Combined with XLE series modules, LES-5160P line length simulator provides RJ45 interface, which can support the protocols such as 10GBase-T, 100BASE-TX, and 1000BASE-T, thus making your network more complete and solid. It also can simulate the power attenuation during the POE power transmission.

All XLE series modules are equipped with real-time LEDs which display the status of the system and the simulating line length, thus allowing users to view network status easily.

LES-5160P line length simulator provides an easy-to-access Management Webpage, allowing users to view system status, set the simulating length for the XLE series modules and upgrade firmware.

Moreover, XLE-CASC modules allow you to cascade multiple LES-5160P chassis for managing these chassis at the same time.

There's an optional fan tray (LES-FANT-5) which can be placed under LES-5160P chassis for ventilation.



## FEATURES

- Simulates Ethernet cable Cat-5e
- Supports Jumbo Frame
- Simulate power attenuation for POE test
- Supports easy-to-access Management Webpage, allowing users to view system status, set the simulating length for the XLE series modules and upgrade firmware/FPGA
- Multiple LES-5160P chassis can be cascaded for system management
- Supports optional fan tray

## KEY ADVANTAGES

- Fast connected and with multiple line length simulation functions
- Provide reliable long-distance connection
- Port supported: RJ45

## MAIN APPLICATIONS

- Provide simple and convenient software for test of mass production
- Provide additional network/web management options
- Provide the API & Library files for development of other applications




## LES-5160P SPECIFICATION

Model	LES-5160P	
Slot	16 Slots for Installing XLE-C5EP Module Cards	
Dimension	441 mm x 310 mm x 88 mm	
Temperature	➤ Operating: 0°C ~ 40°C (32°F ~ 104°F)	➤ Storage: 0°C ~ 50°C (32°F ~ 122°F)
Humidity (non-condensing)	➤ Operating: 0% ~ 85% RH	➤ Storage: 0% ~ 85% RH
Built-in Sensors	Detecting system temperatures, rotation speed of fans, and system voltage	
Power Module		
Model		
	XCP-A1W-300	
Power Source	➤ 300W AC Redundant SPS (Vin 90~240VAC)	➤ 300W DC Redundant SPS (Vin 36~72VDC)
Power Jack	Male IEC 320 Receptacle	3 Terminal Connectors
Fan Module		
Model		
	XLE-SFAN	XLE-RFAN
Power Source	Internal power supply	Internal power supply
Optional Fan Tray		
Model		
	LES-FANT-5	
Power Source	2 Mini-DIN 9-Pin Ports or 1 12VDC(MAX. 0.85A) Power Jack	
Dimension	441 mm x 310 mm x 29 mm	



## XLE SERIES MODULE CARDS SPECIFICATION

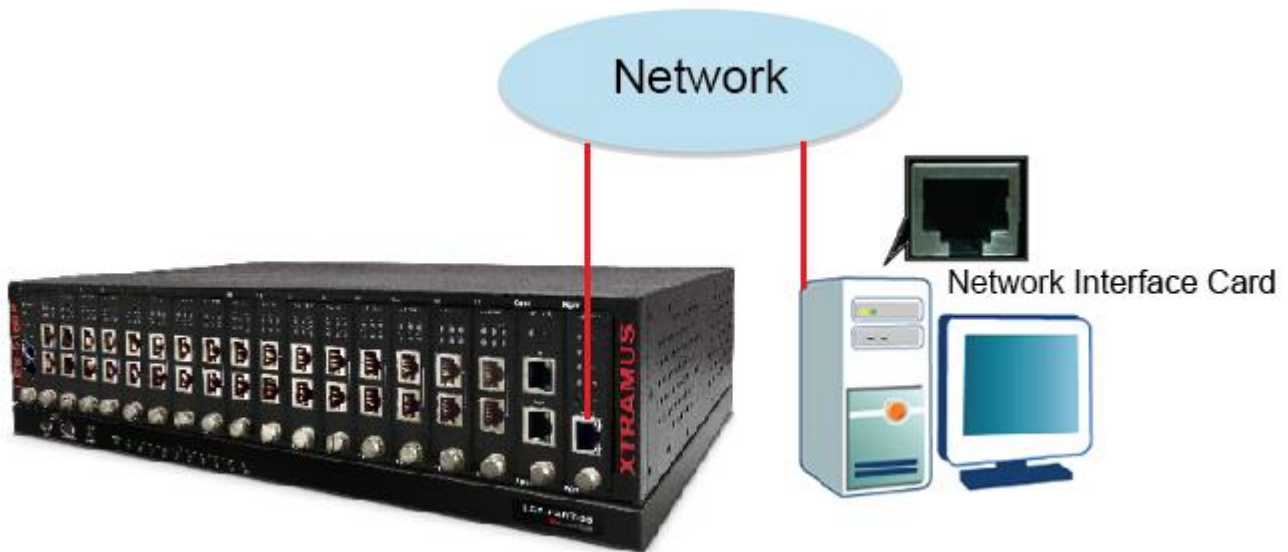
Model		
Modules	<div></div> <div>XLE-C5EP</div>	
	Interface ports	
Interface	Port A	RJ45
	Port B	RJ45
Simulating cable	CAT-5e	
Ethernet Mode	10BASE-T, 100BASE-TX and 1000BASE-T	
Jumbo Frame	Available	
System Control		
System Control	➤ Line length simulation settings	➤ System Upgrade (F/W)
Device Status Report		
Status Report	➤ Information ➤ Simulating line length	➤ Module Detection
Approximately Simulated Line Length at 3 Modes		
Modes	➤ Bypass: Short via relay. ➤ Short: 1~3 meters. ➤ 100m: 100 meters.	
POE function	Support simulate power attenuation for POE test under 3 length modes	



## MANAGEMENT WEBPAGE

LES-5160P is embedded with a Management Webpage, and can be accessed by connecting XLE-M667's RJ45 Port to the network which your PC is connected to, as shown in the figure down below.

LES-5160P's Management Webpage allows users to set line length parameters, view the characteristic feature curves, make system settings and upgrade system firmware.



### LES-5160P

#### SYSTEM

[System Information](#)  
[IP Settings](#)

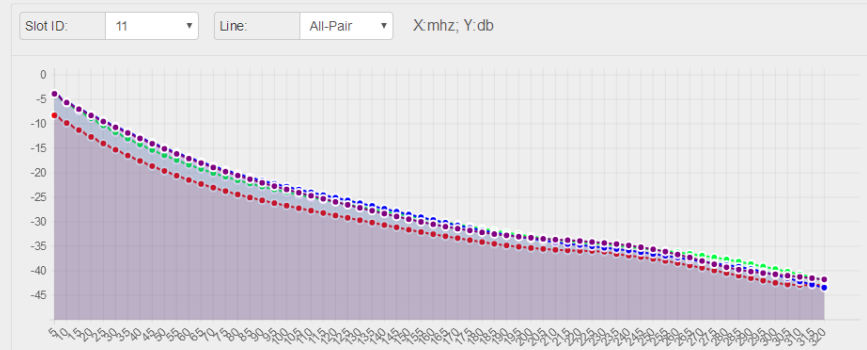
#### MANAGEMENT

[Chassis Overview](#)  
[Chassis Monitor](#)  
[Reserve/Release Settings](#)  
[Cable Length Settings](#)  
[Characteristic Chart](#)

#### MAINTENANCE

[Upgrade Firmware](#)  
[Save Changes](#)  
[Set Factory Defaults](#)  
[System Reboot](#)

Characteristic Chart (Insertion Loss)



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