Extreme™
Customer-Driven Networking

ExtremeSwitching SLX 9150 Technical Specifications

9036307-00 Rev AA
February 2020

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries.

All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, please see: www.extremenetworks.com/company/legal/trademarks

Software Licensing

Some software files have been licensed under certain open source or third-party licenses. End-user license agreements and open source declarations can be found at: www.extremenetworks.com/support/policies/software-licensing

Contents

Preface **5**
Conventions 5
Notes, cautions, and warnings 5
Text formatting conventions 5
Command syntax conventions 6
Documentation and Training 6
Getting Help 6
Subscribing to Service Notifications 7
Providing Feedback to Us 7

ExtremeSwitching SLX 9150 Technical Specifications **9**
System specifications 9
SLX 9150 Software Specifications 9
Weights and Physical Dimensions 10
Acoustic Specifications 11
Fan Tray and Speed Variation 12
Power Options 12
Power Consumption 13
Power and Heat Dissipation 13
Mean Time Between Failures (MTBF) 13
CPU, Memory Specifications 13
Standards 14
Environmental Data 15
750 W Power Supplies Technical Specifications 16
Power Cord Requirements for AC-Powered Switches and AC Power Supplies 18

Preface

- Conventions 5
- Documentation and Training 6
- Getting Help 6
- Providing Feedback to Us 7

This section discusses the conventions used in this guide, ways to provide feedback, additional help, and other Extreme Networks® publications.

Conventions

This section discusses the conventions used in this guide.

Notes, cautions, and warnings

Notes, cautions, and warning statements may be used in this document. They are listed in the order of increasing severity of potential hazards.

NOTE
A Note provides a tip, guidance, or advice, emphasizes important information, or provides a reference to related information.

ATTENTION
An Attention statement indicates a stronger note, for example, to alert you when traffic might be interrupted or the device might reboot.

CAUTION
A Caution statement alerts you to situations that can be potentially hazardous to you or cause damage to hardware, firmware, software, or data.

DANGER
A Danger statement indicates conditions or situations that can be potentially lethal or extremely hazardous to you. Safety labels are also attached directly to products to warn of these conditions or situations.

Text formatting conventions

Text formatting conventions such as boldface, italic, or Courier font may be used to highlight specific words or phrases.

Format	Description
bold text	Identifies command names.
	Identifies keywords and operands.
	Identifies the names of GUI elements.
	Identifies text to enter in the GUI.
italic text	Identifies emphasis.
	Identifies variables.
	Identifies document titles.

Format	Description
`Courier font`	Identifies CLI output. Identifies command syntax examples.

Command syntax conventions

Bold and italic text identify command syntax components. Delimiters and operators define groupings of parameters and their logical relationships.

Convention	Description
bold text	Identifies command names, keywords, and command options.
italic text	Identifies a variable.
[ ]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ **x** | **y** | **z** }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x | **y**	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, for example, passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, *member*[*member*...].
\	Indicates a "soft" line break in command examples. If a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.

Documentation and Training

Find Extreme Networks product information at the following locations:

Current Product Documentation
Archived Documentation (for earlier versions and legacy products)
Release Notes
Hardware/software compatibility matrices for Campus and Edge products
Supported transceivers and cables for Data Center products
Other resources, like white papers, data sheets, and case studies

Extreme Networks offers product training courses, both online and in person, as well as specialized certifications. For details, visit www.extremenetworks.com/education/.

Getting Help

If you require assistance, contact Extreme Networks using one of the following methods:

- GTAC (Global Technical Assistance Center) for Immediate Support
  - **Phone:** 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact
  - **Email:** support@extremenetworks.com. To expedite your message, enter the product name or model number in the subject line.

- Extreme Portal — Search the GTAC knowledge base, manage support cases and service contracts, download software, and obtain product licensing, training, and certifications.
- The Hub — A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

Subscribing to Service Notifications

You can subscribe to email notifications for product and software release announcements, Vulnerability Notices, and Service Notifications.

1. Go to www.extremenetworks.com/support/service-notification-form.
2. Complete the form with your information (all fields are required).
3. Select the products for which you would like to receive notifications.

   NOTE
   You can modify your product selections or unsubscribe at any time.

4. Click **Submit**.

Providing Feedback to Us

Quality is our first concern at Extreme Networks, and we have made every effort to ensure the accuracy and completeness of this document. We are always striving to improve our documentation and help you work better, so we want to hear from you! We welcome all feedback but especially want to know about:

- Content errors or confusing or conflicting information.
- Ideas for improvements to our documentation so you can find the information you need faster.
- Broken links or usability issues.

If you would like to provide feedback to the Extreme Networks Information Development team, you can do so in two ways:

- Use our short online feedback form at https://www.extremenetworks.com/documentation-feedback/.
- Email us at documentation@extremenetworks.com.

Please provide the publication title, part number, and as much detail as possible, including the topic heading and page number if applicable, as well as your suggestions for improvement.

ExtremeSwitching SLX 9150 Technical Specifications

- System specifications 9
- SLX 9150 Software Specifications 9
- Weights and Physical Dimensions 10
- Acoustic Specifications 11
- Fan Tray and Speed Variation 12
- Power Options 12
- Power Consumption 13
- Power and Heat Dissipation 13
- Mean Time Between Failures (MTBF) 13
- CPU, Memory Specifications 13
- Standards 14
- Environmental Data 15
- 750 W Power Supplies Technical Specifications 16
- Power Cord Requirements for AC-Powered Switches and AC Power Supplies 18

The ExtremeSwitching SLX 9150 Series includes the following switch models:

Part number	Description
SLX9150-48Y-8C	SLX9150-48Y Switch with two empty power supply slots, and six empty fan slots. Supports 48x25GE/10GE/1GE + 8x100GE/40GE
SLX9150-48Y-8C-AC-F	SLX9150-48Y Switch AC with Front to Back Airflow. Supports 48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies and six fans
SLX9150-48Y-8C-AC-R	SLX9150-48Y Switch AC with Back to Front Airflow. Supports 48x25GE/10GE/1GE + 8x100GE/40GE with dual power supplies and six fans
SLX9150-48XT-6C	SLX9150-48XT 10GBaseT Switch with two empty power supply slots and six empty fan slots. Supports 48x10GE/1GE + 6x100GE/40GE
SLX9150-48XT-6C-AC-F	SLX9150-48XT 10GBaseT Switch AC with Front to Back Airflow. Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies and six fans
SLX9150-48XT-6C-AC-R	SLX9150-48XT 10GBaseT Switch AC with Back to Front Airflow. Supports 48x10GE/1GE + 6x100GE/40GE with dual power supplies and six fans

System specifications

SLX 9150 Software Specifications

TABLE 1 SLX 9150 Software Specifications

Software Specifications	Description
Connector options	• 10/1 GbE SFP+

TABLE 1 SLX 9150 Software Specifications (continued)

Software Specifications	Description
	• 25 GbE SFP28 • 40 GbE QSFP+ • 100 GbE QSFP28 • Out-of-band Ethernet management: 10/100/1000 Mbps RJ-45 • Console management: RJ45 serial port and USB type-C port with serial communication device class support • Storage: USB port, standard-A plug • Sound Pressure
Maximum MAC addresses	70,000
Maximum VLANs	4,096
Maximum ACLs (IPv4/IPv6/L2)	2,000
Maximum members in a standard LAG	64
Maximum number of MCT switches	2
Maximum number of Bridge Domains	4,096
Maximum IPv4 unicast routes	128,000
Maximum IPv6 unicast routes	10,000
Maximum IPv4 host routes	47,000
Maximum IPv6 host routes	33,000
Maximum jumbo frame size	9,126 bytes
QoS priority queues (per port)	8
IEEE Compliance	• IEEE 802.1D Spanning Tree Protocol • IEEE 802.1s Multiple Spanning Tree • IEEE 802.1w Rapid Reconfiguration of Spanning Tree Protocol • IEEE 802.3 Ethernet • IEEE 802.3ad Link Aggregation with LACP • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-X • IEEE 802.3ba / 80 2.3bm 40 GBASE-X and 100 GBASE-X • IEEE 802.1Q VLAN Tagging • IEEE 802.1p Class of Service Prioritization and Tagging • IEEE 802.1v VLAN Classification by Protocol and Port • IEEE 802.1AB Link Layer Discovery Protocol (LLDP) • IEEE 802.3x Flow Control (Pause Frames) • IEEE 802.3ae 10 GBASE-X • IEEE 802.3 10 GBASE-T (up to 100 m using Cat6a cabling or better)

Weights and Physical Dimensions

TABLE 2 SLX 9150 Unpackaged Dimensions

SLX 9150-48XT or SLX 9150-48Y	Height: 4.34 cm (1.71 in) Width: 43.96 cm (17.31 in) Length: 53.95 cm (21.24 in)
XN-FAN-001-F: Fan unit, front-to-back or XN-FAN-001-R: Fan Unit back-to-front	Height: 4.0 cm (1.57 in)

TABLE 2 SLX 9150 Unpackaged Dimensions (continued)

	Width: 4.0 cm (1.57 in) Length: 13.4 cm (5.28 in)
XN-4P-RKMT298 - Four-post rack mount kit (included with switch)	Height: 2.1 cm (0.83 in) Width: 4.4 cm (17.3 in) Length: 63.0 cm - 90.0 cm (24.80 in - 35.43 in)
XN-2P-RKMT299 - Two-post rack mount kit (separately orderable)	Height: 4.2 cm (1.65 in) Width: 2.4 cm (0.93 in) Length: 12.5 cm (4.92 in)

TABLE 3 SLX 9150 Unpackaged Weight

SLX 9150-48Y switch with no PSUs	7.39 kg (16.29 lb)
SLX 9150-48Y switch with two AC PSUs (-F and -R models)	9.04 kg (19.93 lb)
Fan unit, front-to-back or back-to-front	0.14 kg (0.31 lb)
Four-post rack mount kit (included with switch)	2.65 kg (5.84 lb)
Two-post rack mount kit (separately orderable)	0.45 kg (0.99 lb)

TABLE 4 SLX 9150 Packaged Dimensions

SLX 9150-48XT or SLX 9150-48Y	Height: 18.5 cm (7.28 in) Width: 60.0 cm (23.62 in) Length: 88.0 cm (34.65 in)
Fan unit, front-to-back or back-to-front	Height: 24.0 cm (9.45 in) Width: 20.6 cm (8.11 in) Length: 22.1 cm (8.70 in)
Four-post rack mount kit (included with switch)	Height: 7.0 cm (2.76 in) Width: 11.0 cm (4.33 in) Length: 84.0 cm (33.07 in)
Two-post rack mount kit (separately orderable)	Height: 24.0 cm (9.45 in) Width: 20.6 cm (8.11 in) Length: 22.1 cm (8.70 in)

TABLE 5 SLX 9150 Packaged Weight

SLX 9150-48Y switch with no PSUs	14.59 kg (32.17 lb)
SLX 9150-48Y switch with two AC PSUs (-F and -R models)	16.24 kg (35.80 lb)
Fan unit, front-to-back or back-to-front	1.82 kg (4.01 lb)
Four-post rack mount kit (included with switch)	2.71 kg (5.97 lb)
Two-post rack mount kit (separately orderable)	3.20 kg (7.05 lb)

Acoustic Specifications

TABLE 6 Acoustic Specifications

Switch Model	Bystander Sound Pressure (at 25°C)	Declared Sound Power (at 25°C)
SLX 9150-48Y (Front -Back Airflow)	52.2 dB(A)	6.8 bels

TABLE 6 Acoustic Specifications (continued)

Switch Model	Bystander Sound Pressure (at 25°C)	Declared Sound Power (at 25°C)
SLX 9150-48Y (Back-Front Airflow)	50.5 dB(A)	6.7 bels
SLX 9150-48XT (Front -Back Airflow)	36.4 dB(A)	5.5 bels
SLX 9150-48XT (Back-Front Airflow)	45.4 dB(A)	6.4 bels

Fan Tray and Speed Variation

Fan speeds are adjusted based on calculations of the temperatures on all sensors. Due to one fan being located behind the other, air pushed from one fan may cause the other fan in the module to run at a higher speed. One fan can run at medium speed while the other can spin at high speed if one is close to the temperature boundary.

TABLE 7 Fan Tray and Speed Variation

Description	Operation Status	Operation Speed	Airflow Direction
Tray 1 Fan 1	up	high speed	Unknown*
Tray 1 Fan 2	up	medium speed	Unknown*
Tray 2 Fan 1	up	high speed	Unknown*
Tray 2 Fan 2	up	medium speed	Unknown*
Tray 3 Fan 1	up	high speed	Unknown*
Tray 3 Fan 2	up	medium speed	Unknown*
Tray 4 Fan 1	up	high speed	Unknown*
Tray 4 Fan 2	up	medium speed	Unknown*
Tray 5 Fan 1	up	high speed	Unknown*
Tray 5 Fan 2	up	medium speed	Unknown*
Tray 6 Fan 1	up	high speed	Unknown*
Tray 6 Fan 2	up	medium speed	Unknown*

* - The color of the tab on the fan tray indicates the airflow direction:

- Red = Front-to-Back
- Blue = Back-to-Front

Power Options

TABLE 8 SLX 9150 Power Options

SLX 9150	**750 W AC power supply:** Part # XN-ACPWR-750W-F (front-to-back) Part # XN-ACPWR-750W-R (back-to-front) AC Input: 100-120/200-240 VAC, 50/60 Hz 3.5/1.8 A max. for each PSU PSU Input Socket: IEC 320 C14 Power cord input plug: IEC 320 C13
	750 W DC power supply:

TABLE 8 SLX 9150 Power Options (continued)

	Part # XN-DCPWR-750W-F (front-to-back)
	Part # XN-DCPWR-750W-R (back-to-front)
	DC Input: -54 VDC, 7.0 A max. for each PSU

Power Consumption

TABLE 9 SLX 9150 Power Consumption

Operating Mode	Test Conditions				Power Consumption		
	Fan Duty	Traffic Load	Port Status	Packet Length (Bytes)	Dual Power: PSU1	Dual Power: PSU2	Single Power: PSU1
Empty mode	85%	NA	Down	NA	92 W	87 W	170 W
Standby mode	85%	NA	Up	NA	97 W	91 W	178 W
Typical mode	85%	70%	Up	1,518	104 W	99 W	193 W
Stress mode	100%	100%	Up	256	199.8 W	186.2 W	387 W

Power and Heat Dissipation

TABLE 10 SLX 9150 Power and Heat Dissipation

Switch Model	Minimum Heat Dissipation (BTU/hr) (Idle, no ports linked)	Minimum Power Consumption (Watts) (Idle, no ports linked)	Maximum Heat Dissipation (BTU/hr) (Fans high, all ports 100% traffic)	Maximum Power Consumption (Watts) (Fans high, all ports 100% traffic)
SLX9150-48Y AC	553 BTU/ hr	167W	1600 BTU/ hr	469W
SLX9150-48Y DC	553 BTU/ hr	167W	1600 BTU/ hr	469W
SLX9150-48XT AC	642 BTU/ hr	194W	1225 BTU/ hr	359W
SLX9150-48XT DC	642 BTU/ hr	194W	1225 BTU/ hr	359W

Mean Time Between Failures (MTBF)

TABLE 11 SLX 9150 Mean Time Between Failures (MTBF)

Switch Model	Mean Time Between Failures
SLX9150-48Y-8C-AC-F	389719 hrs @ 25°C
SLX9150-48Y-8C-AC-R	450269 hrs @ 25°C

CPU, Memory Specifications

TABLE 12 CPU, Memory Specifications

Specifications
1GHz 64-bit CPU

TABLE 12 CPU, Memory Specifications (continued)

Specifications
16 Gb memory, 128 Gb SSD
4GB eMMC Flash Memory
24 MB buffer, per chip

Standards

TABLE 13 Safety Standards

North American Safety of ITE	UL 62368-1 2nd Ed., 2014-12-01, Listed Device (US)
	UL 60950-1 2nd Ed., 2014-10-14, Listed Device (US)
	CAN/CSA 22.2 #62368-1-14 2nd Ed., Canada
	CAN/CSA 22.2 #60950-1-07 2nd Ed., Canada 2014-10
	Complies with FCC 21 CFR Chapter 1, Sub-chapter J in accordance with FDA & CDRH requirements (US Laser Safety)
	CDRH Letter of Approval (US FDA Approval)
European Safety of ITE	EN 62368-1:2014/A11:2017
	EN 60950-1:2006 + A11:2009 + A12:2010 + A2:2013
	2014/35/EU Low Voltage Directive
International Safety of ITE	CNS 14336-1
	AS/NZX 60950-1 (Australia /New Zealand)
	GB4943.1-2001
	IEC/EN 60825-1:2007, IEC/EN 60825-2:2004+A1+A2 or later (Lasers Safety)
	IEC 62368-1:2014 (2ndEd.)
	IEC 60950-1:2005 (2nd Ed.) + Am 1:2009 + Am 2:2013 + National Difference

TABLE 14 EMI/EMC Standards

North America EMC for ITE	FCC 47 CFR part 15 subpart B Class A (USA) ICES-003 (Canada)
European EMC standards	EN 300 386 V2.1.1(2016-07) Class A EN 55032:2015/AC:2016-07 Class A EN 55024:2010/A1:2015 EN 55011:2009+A1:2010 (Group 1, Class A) EN 61000-6-2:2005+AC:2005 EN 61000-6-4:2007+A1:2011 EN 61000-3-2:2014 Class A EN 61000-3-3:2013 EN 61000-4-2:2009 EN 61000-4-3:2006+A1:2008+A2:2010 EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-6:2014/AC:2015 EN 61000-4-8:2010 EN 61000-4-11:2004/A1:2017

TABLE 14 EMI/EMC Standards (continued)

International EMC certifications	IEC 61000-6-2:2016 ED 3.0 IEC 61000-6-4:2018 ED 3.0 IEC 61000-4-2:2008 ED 2.0 IEC 61000-4-3:2006+AMD1:2007+AMD2:2010 ED 3.2 IEC 61000-4-4:2012 ED 3.0 IEC 61000-4-5:2014+AMD1:2017+ ED 3.1 IEC 61000-4-6:2013+ ED 4.0 IEC 61000-4-8:2009+ ED 2.0 IEC 61000-4-11:2004+AMD1:2017+ ED 2.1 CISPER 32:2015 ED 2.0 Class A CISPER 24:2010+AMD1:2015 Class A CISPER 11:2009 ED 5.0 Group 1, Class A AS/NZS CISPER 32:2015 Class A GB/T9254-2008 Class A ANSI C63.4:2014
Country-specific	RCM (Australia) VCCI Class A (Japan) MSIP KCC (Korea) BSMI (Taiwan) ANATEL (Brazil) CCC mark (China) SABS & NRCS (South Africa) UL, FCC (North America) EAC mark (Custom Union)

TABLE 15 Telecom Standards

EN/ETSI 300 386:2008 (EMC Telecommunications)
EN/ETSI 300 019 (Environmental for Telecommunications)
MEF9 and MEF14 certified for EPL, EVPL, and ELAN

TABLE 16 IEEE 802.3 Media Access Standards

IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-X
IEEE 802.3ae 10GBASE-X
IEEE 802.3ba 40GBASE-X

Environmental Data

TABLE 17 Environmental Data

Environmental standards	EN/ETSI 300 019-2-1 v2.1.2 (2000 - 2009) - Class 1.2 Storage EN/ETSI 300 019-2-2 v2.1.2 (1999 - 09) - Class 2.3 Transportation EN/ETSI 300 019-2-3 v2.1.2 (2003 - 04) - Class 3.1e Operational EN/ETSI 300 753 (1997-10) - Acoustic Noise ASTM D3580 Random Vibration Unpackaged 1.5G
Temperature range	• Front-to-back airflow: 0°C to 50°C (32°F to 122°F) up to 1800m (6000 ft)

TABLE 17 Environmental Data (continued)

	• Front-to-back airflow: 0°C to 45°C (32°F to 113°F) above 1800m (6000 ft) • Back-to-front airflow: 0°C to 45°C (32°F to 113°F) up to 1800m (6000 ft) • Back-to-front airflow: 0°C to 40°C (32°F to 104°F) above 1800m (6000 ft)
Other operating conditions	Humidity: 5% to 95% relative humidity, non-condensing Altitude: 0 to 3,000 meters (9,850 feet) Operational shock (half sine): 30 m/s^2 (3 G), 11 ms, 60 shocks Operational random vibration: 3 to 500 Hz at 1.5 G rms
Storage & transportation conditions (packaged)	Transportation temperature: -40°C to 70°C (-40°F to 158°F) Humidity: 5% to 95% relative humidity, non-condensing Packaged shock (half sine): 180 m/s^2 (18 G), 6 ms, 600 shocks Packaged sine vibration: 5 to 62 Hz at velocity 5 mm/s, 62 to 500 Hz at 0.2 G Packaged random vibration: 5 to 20 Hz at 1.0 ASD w/–3 dB/oct. from 20 to 200 Hz 14 drops minimum on sides and corners at 42 in (<15 kg box)

750 W Power Supplies Technical Specifications

Four 750 W power supply units are available for use with SLX 9150 Series and SLX 9250 Series switches:

- SLX 750W AC power supply - front-to-back airflow (part no. XN-ACPWR-750W-F)
- SLX 750W AC power supply - back-to-front airflow (part no. XN-ACPWR-750W-R)
- SLX 750W DC power supply - front-to-back airflow (part no. XN-DCPWR-750W-F)
- SLX 750W DC power supply - back-to-front airflow (part no. XN-DCPWR-750W-R)

TABLE 18 750 W Power Supplies: Unpackaged Dimensions

750 W power supply – AC front-to-back or back-to-front airflow	Height: 4.00 cm (1.57 in) Width: 8.00 cm (3.15 in) Depth: 20.60 cm (8.11 in)
750 W power supply – DC front-to-back or back-to-front airflow	Height: 4.00 cm (1.57 in) Width: 8.00 cm (3.15 in) Depth: 20.60 cm (8.11 in)

TABLE 19 750 W Power Supplies: Unpackaged Weight

750 W power supply – AC front-to-back or back-to-front airflow	0.81 kg (1.79 lb)
750 W power supply – DC front-to-back or back-to-front airflow	0.85 kg (1.86 lb)

TABLE 20 750 W Power Supplies: Packaged Dimensions

750 W power supply – AC	Height: 44.5 cm (17.52 in)

TABLE 20 750 W Power Supplies: Packaged Dimensions (continued)

front-to-back or back-to-front airflow	Width: 27.5 cm (10.83 in) Depth: 42.5 cm (16.73 in)
750 W power supply – DC front-to-back or back-to-front airflow	Height: 44.5 cm (17.52 in) Width: 27.5 cm (10.83 in) Depth: 42.5 cm (16.73 in)

TABLE 21 750 W Power Supplies: Packaged Weight

750 W power supply – AC front-to-back or back-to-front airflow	10.22 kg (22.53 lb)
750 W power supply – DC front-to-back or back-to-front airflow	10.50 kg (23.15 lb)

TABLE 22 Power Specifications (AC Power Supplies)

Voltage input range	85 to 264 V ~
Nominal input ratings	100-140/200-240V ~ , 10/5.36A max., 50/60Hz
Nominal input current at full loads	10 A at 90 V ~ (low-line) 3.7 A at 230 V ~ (high-line)
Line frequency range	47 to 63 Hz
Maximum inrush current	35 A
Output	+12 V, 61.5 A +12 Vsb, 3 A Total output power not to exceed 750W
Power supply input socket	IEC 320 C14
Power cord input plug	IEC 320 C13
Power cord wall plug	Refer to Power Cord Requirements for AC-Powered Switches and AC Power Supplies on page 18
Power supply cord gauge	18 AWG (0.75 mm^2) up to 6 feet or 2 meters or 16 AWG (1.0 mm^2) over 6 feet
Efficiency	Low Line: 88% at 50% load and 86% at 100% load High Line: 90% at 50% and 100% loads

TABLE 23 Power Specifications (DC Power Supplies)

Nominal input	-48 to -60 VDC, 20.4 A
DC Voltage input range	-35 to -75 V
Inrush Current	21 A peak
Maximum wire size	14 AWG (1.5 mm2 copper stranded).

TABLE 23 Power Specifications (DC Power Supplies) (continued)

DC Output	+12.2VDC, 61.5A; +12Vaux, 2.5A
Power (W)	750 W

TABLE 24 Environmental Specifications (All Power Supply Units)

Operating temperature	0°C to 55°C (normal operation)
Storage temperature	-40°C to 70°C
Operating humidity	20% to 90% relative humidity, non-condensing
Operational shock	30 m/s^2 (3 G)

Power Cord Requirements for AC-Powered Switches and AC Power Supplies

An AC power cord is not included with the AC power supply.

Power cords used with AC-powered switches or AC power supplies must meet the following requirements:

- The power cord must be agency-certified for the country of use.
- The power cord must have an IEC320-C13 connector for connection to the switch or power supply.
- The power cord must have an appropriately rated and approved wall plug applicable to the country of installation.
- For cords up to 6 feet (2 m) long, the wire size must be 18 AWG (.75 mm^2) minimum; over 6 feet, the minimum wire size is 16 AWG (1.0 mm^2).

For details about obtaining AC power cords for use in your country, refer to http://www.extremenetworks.com/product/powercords/.