

1 The Document Requiring Conformity: USGv6 Profile Version 1.0, July 2008. (NIST SP500-267)

2 Product Identifier: Lenovo RackSwitch Switches

3 Supplier's Name, Address and SDOC Contact Details

Lenovo
3325 Scott Blvd
Building #2
SC, Ca, 95054

4 Product as Tested/Declared: *Product Identifier, version/revision information, details of configuration tested.*

8.3.1.0

5 Product Family (other products using same IPv6 stack(s) to which these results are declared to apply). **Check Product Family attestation below.**

Lenovo RackSwitch G8052
Lenovo RackSwitch G8332

6 USGv6 Capability summary. (For each distinct IPv6 stack in the product provide a summary of its USGv6 capabilities below and include a detailed test result summary). *e.g. example-prod-id/stack-1: USGv6-v1-Host: IPv6-Base+Addr-Arch+IPsec-v3+IKEv2+SLAC+Link=Ethernet.*

USGv6-v1-Router:IPv6-Base+Addr-Arch+SLAAC+IPsec-v3+IKEv2+ESP+Link=Ethernet

7 Self Contained or Composite SDOC? (Must indicate one).


YES	All of the declared USGv6 capabilities of this product are addressed by original test results reported in this SDOC.	Some or all of the USGv6 capabilities of this product are provided by the use and/or integration of unmodified components that have their own unique USGv6 SDOCs. All of the relevant referenced SDOCs are identified in section 8 and attached. This product's page 2 will indicate which capabilities are provided by specific referenced components (product-id/stack-id).
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8 Additional Declarations / Attachments: (List supplier & product-id/stack-id for referenced and attached test results in the case of composite products).

Component	Supplier	Product ID:	Stack ID:	Notes:
[1]				
[2]				
[3]				
[4]				

9 Supplementary Attestations (Answer all).

Yes	This product is fully functional in dual stack environments. That is, no claimed capabilities are invalidated if this product is operated in a dual stack (6 and 4) network environment.	Yes	This product is fully functional in IPv6 only environments. That is, no claimed capabilities are invalidated if this product is deployed in a network environment that does not support Ipv4.
Yes	This SDOC contains a capabilities test report for each unique IPv6 stack in the product. If not, the stacks/ports not covered are documented, and how their Ipv6 capabilities differ from those reported are explained.	Yes	All of the products listed in the product family in section 5 are implemented such that their USGv6 capabilities are identical in form and function across the entire product family. The specific conformance and interoperability test results for the USGv6 capabilities of an identified member of this product family are provided in this SDOC. The SDOC attests that these tested USGv6 capabilities are identical and unmodified for all the products cited above.

10 Signature  Date 10/29/2015

Print Name / Title Huy Tran/Project Manager

See instructions for fields 1-12 on Page 4.

Product Id:		Lenovo RackSwitch Switches				Stack Id:		8.3.1.0			
Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Supported Capabilities			USGv6 Testing Program Results				
				Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note #, or Component Ref	Test Suite Interoperability	Test Lab / Result ID, Note #, or Component Ref	
SP500-267	6.1	IPv6 Basic Requirements									
		support of IPv6 base (IPv6;ICMPv6;PMTU;ND)	IPv6-Base		P		Basic_v1.*_C	UNH-IOL/21125		Basic_V1.*_I	UNH-IOL/21127
		support of PMTU Discovery Protocol requirements	PMTU		P		Basic_v1.*_C	UNH-IOL/21125		Basic_V1.*_I	UNH-IOL/21127
		support of stateless address auto-configuration	SLAAC		P		SLAAC-V1.*_C	UNH-IOL/21126		SLAAC-V1.*_I	UNH-IOL/21128
		support of Creation of Global Addresses	SLAAC - c(M)		P		SLAAC-V1.*_C	UNH-IOL/21126		SLAAC-V1.*_I	UNH-IOL/21128
		support of SLAAC privacy extensions.	PrivAddr				Self Test			Self Test	
		support of stateful (DHCP) address auto-	DHCP-Client				DHCP_Client_v1.*_C			DHCP_Client_v1.*_I	
		support of automated router prefix delegation	DHCP-Prefix				Self Test			Self Test	
		support of neighbor discovery security extensions	SEND				Self Test			Self Test	
SP500-267	6.6	Addressing Requirements									
		support of addressing architecture reqts	Addr-Arch		P		Addr_Arch_v1.*_C	UNH-IOL/21129		Addr_Arch_v1.*_I	UNH-IOL/21130
		support of cryptographically generated addresses	CGA				Self Test			Self Test	
SP500-267	6.7	IP Security Requirements									
		support of the IP security architecture	IPsecv3		P		IPsecv3_v1.*_C	UNH-IOL/21131		IPsecv3_v1.*_I	UNH-IOL/21133
		support for automated key management	IKEv2		N		IKEv2_v1.*_C	UNH-IOL/21135, Note 1		IKEv2_v2.*_I	UNH-IOL/21136
		support for encapsulating security payloads in IP	ESP		P		ESpv3_v1.*_C	UNH-IOL/21132		ESP_v1.*_I	UNH-IOL/21134
SP500-267	6.11	Application Requirements									
		support of DNS client/resolver functions	DNS-Client		P		Self Test	Self Declaration		Self Test	Self Declaration
		support of Socket application program interfaces	SOCK				Self Test			Self Test	
		support of IPv6 uniform resource identifiers	URI				Self Test			Self Test	
		support of a DNS server application	DNS-Server				Self Test			Self Test	
		support of a DHCP server application	DHCP-Server				Self Test			DHCP_Serv_v1.*_I	
SP500-267	6.2	Routing Protocol Requirements									
		support of the intra-domain (interior) routing	IGW		P		Self Test	Self Declaration		OSPFv3_v1.*_I	
		support for inter-domain (exterior) routing protocols	EGW				Self Test			BGP_v1.*_I	
SP500-267	6.4	Transition Mechanism Requirements									
		support of interoperation with IPv4-only systems	IPv4		P		Self Test	Self Declaration		Self Test	Self Declaration
		support of tunneling IPv6 over IPv4 MPLS services	6PE				Self Test			Self Test	
SP500-267	6.8	Network Management Requirements									
		support of network management services	SNMP		P		Self Test	Self Declaration		Self Test	Self Declaration
SP500-267	6.9	Multicast Requirements									
		support of basic multicast	Mcast		P		Self Test	Self Declaration		Self Test	
		full support of multicast communications	SSM				Self Test			Self Test	
SP500-267	6.10	Mobility Requirements									
		support of mobile IP capability.	MIP				Self Test			Self Test	
		support of mobile network capabilities	NEMO				Self Test			Self Test	
SP500-267	6.3	Quality of Service Requirements									
		support of Differentiated Services capabilities	DS		P		Self Test	Self Declaration		Self Test	Self Declaration
SP500-267	6.12	Network Protection Device Requirements									
		support of common NPD reqts	NPD				N1 N2 N3 N4_v1.3				
		support of basic firewall capabilities	FW				N1_FW_v1.3				
		support of application firewall capabilities	APFW				Self Test				
		support of intrusion detection capabilities	IDS				N3_IDS_v1.3				
		support of intrusion protection capabilities	IPS				N4_IPS_v1.3				
SP500-267	6.5	Link Specific Technologies									
		support of robust packet compression services	ROHC				Self Test			Self Test	
		support of link technology [O:1] Link= Ethernet	Link= Ethernet		P		Self Test	Self Declaration		Self Test	Self Declaration
		(repeat as needed) support of link technology Link=	Link=								

12 < Check HERE if this stack's DOC includes additional information about tested capabilities and options on an attached page 3 of notes.

Level	Level of support for USGv6-v1 Requirements for capability.	Color	Indication of USGv6-v1 Recommended Level of Support for device type / stack role.
	Blank - SDOC makes no declaration for this capability.		Indicates capability that is recommending as mandatory (unconditional MUST) in the USGv6-v1 Profile.
P	Passed required tests of USGv6-V1 requirements for these capabilities.		Indicates capability that is unusual for a given device type / stack role. Do not select without careful analysis.
N	See notes page for details on the level of support of USGv6-v1 requirements for this capability.		Indicates capability that is left optional / conditional by the recommendations of the USGv6-v1 Profile.
X	USGv6 capability not supported in product.		

Test Suite - Specific USGv6 Test suite used for test. See: <http://www.antd.nist.gov/usgv6/test-specifications.html>
 Test Lab / Result ID - Abbreviation of accredited laboratory and its local identifier for this test result.
 Note # - reference to a detailed note about this capability or result on attached page.
 Component Ref - Supplier / Product / Stack ID of distinctly tested component that provides this capability.

Field 13	Product Id:		Lenovo RackSwitch Switches			Stack Id:			8.3.1.0		
	Spec / Reference	Section	USGv6-v1 Profile Requirements	Context / Configuration Option	Supported Capabilities			Notes about USGv6-v1 Capabilities.			
					Host	Router	NPD	Test Suite Conformance/NPD	Test Lab / Result ID, Note	Test Suite Interoperability	Test Lab / Result ID, Note
1	RFC5114	2.3.3.2	Diffie-Hellman MODP group 24	IKEv2	M			IKEv2_v1.*_C	UNH-IOL/21135		
Discussion:		The device under test does not correctly utilize DH Group 24.									
2											
Discussion:											
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Discussion:											
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Discussion:											
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Discussion:											
9											
Discussion:											
10											
Discussion:											

Vendor's General Notes / Discussion about this Product / Stack's capabilities: