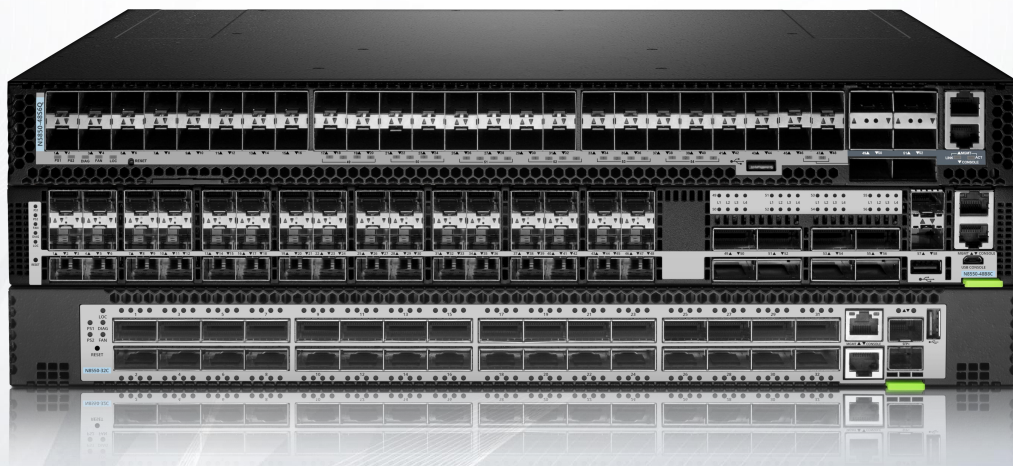# N Series Switches FSOS FAQ

Models: N5850-48S6Q; N8550-48B8C; N8550-32C

Product Overview

Q: What is the N series white box switches, and what models are included?

A: The N series white box switches are designed for customers who want to achieve the configuration automation of large-scale data center switches, improve the performance of data centers, campus and branches, reduce costs and increase efficiency. Through ONIE, the switches can support a variety of operating system. And the N series white box switches include N5850-48S6Q, N8550-48B8C and N8550-32C.

Q: What is the FSOS operating system?

A: FSOS is a self-developed extensible open network operating system provided by FS.COM, which can run on high-quality white box network switches perfectly. Based on FSOS, the switches have software functions that support complete Layer 3 IPv4 and IPv6 routing protocols, and are designed for small and medium data centers and medium and large campus networks.

Q: What are the main differences between the FSOS vs Cumulus operating systems?

A: 1) For price: Self-developed software FSOS provides customers for free; Cumulus software is available for an additional fee.

2) For function: Please refer to the document - *FSOS and Cumulus OS for N Series Switches Competitive Comparison* for details.

3) For operation: Self-developed software FSOS operation is more simple and easy to understand. It is similar to Cisco command line, network engineers can quickly understand the configuration.

4) For service: For the self-developed software FSOS, which is equipped with a professional and powerful after-sales team to quickly respond to customers' demands, which can be expanded and iterated in the later stage according to customers' demands to realize customer customization.

Hardware

Q: Can the fan of the N series switches support custom airflow direction?

A: The fan of the N series switches support customizing airflow direction. For more information, please contact sales@fs.com.

Software

Q: What is the port rate drop and port split support?

A: 1) The 100G port supports speed rate drop to 40G.

2) The 10G port supports auto negotiation to 1G, which is limited to N5850-48S6Q switch currently.

3) All ports don't support one port split to four.

Q: How to configure port rate drop?

A: 1) For the case of 100G port speed rate drop to 40G, port configuration view configure speed 40000.

2) For the case of 10G port auto negotiation to 1G, 1G optical module is inserted into the port, and the port can be auto negotiation to 1G rate.

Q: How to use N series switches with FSOS operating system to configure FEC mode of optical transceiver modules?

A: N series switches with FSOS operating system don't configure FEC on the port by default. The FEC mode of the switch port can be configured to be consistent with the optical transceiver module. And the command line can be referred to the document - *N Series Switches CLI Reference Guide*. What's more, the optical transceiver modules which support FEC can be referred to the document - *Transceivers DACs and AOCs Supported on N Series Switches FSOS*.

Q: Do the N series switches with FSOS operating system have a default management IP?

A: The default management IP is not set currently.

Q: What is the default login username and password?

A: The default username is admin and the password is 12345.

Q: Why the partial parameter commands can't be deleted?

A: For some command lines with configuring parameter values by default, which don't provide a delete command line starting with no. These parameter commands that cannot be deleted can be restored by configuring default values.

Q: Do the N series switches with FSOS operating system support MLAG?

A: Currently, MLAG is not supported. For the scenario that the server is dual-homed to the three-layer leaf switch, we can use the BFD for VRRP function to meet reliability requirements.

Q: Do the N series switches with FSOS operating system support OpenFlow or Netconf? Is there any supporting network management software?

A: Temporarily, OpenFlow or Netconf are not supported. But the switches can currently support Simple Network Management Protocol (SNMP)v1/v2/v3 for network management, and also support third-party SNMP network management software, such as Zabbix.

Q: Are there restrictions on the use of FSOS VXLAN features?

A: We currently only support static VXLAN. In the VXLAN networking architecture of the centralized gateway, you can complete the establishment of the VXLAN tunnel between the two VTEP layers through static manual configuration for VXLAN data communication.

Service and Warranty

Q: What is the warranty period of the N series switches with FSOS operating system?
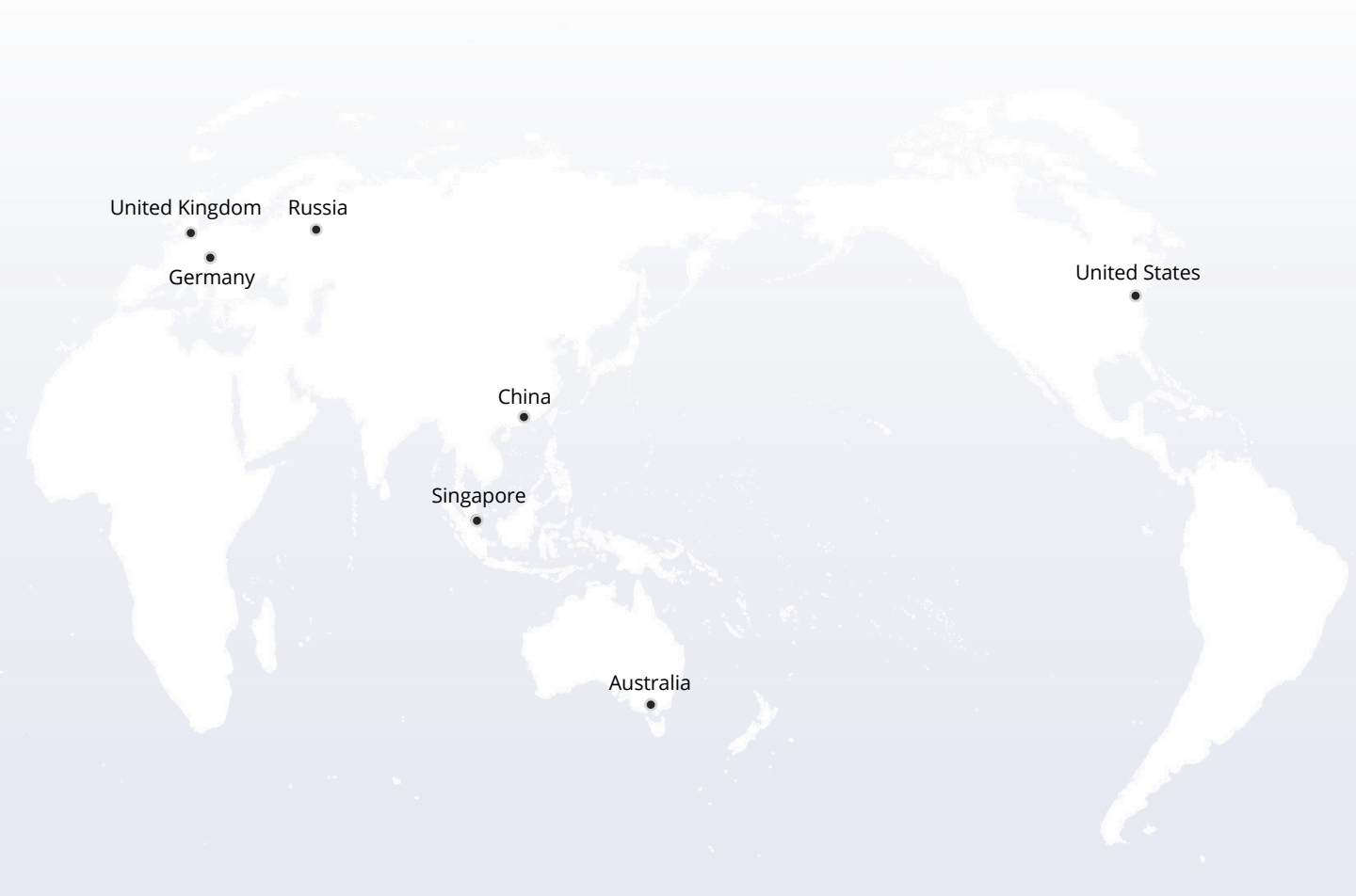
 A: The warranty period is five years for N series switches with FSOS operating system.

Q: Do the switches have additional paid functions or services? Does FSOS software need to install the license?

A: There are no additional paid features, and you do not need to install the licence, FSOS is free to use the full features.

Q: Is there a annual fee requirement for FSOS software?

A: There is no annual fee requirement for FSOS software.

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