

**SUBJECT:** Hardware End of Life Announcement – QFX3500 and QFX3600  
**BULLETIN NUMBER:** TSB16835  
**BULLETIN TYPE:** Product Support Notification  
**AFFECTED PRODUCTS:** QFX3500 and QFX3600 series  
**ISSUE DATE:** November 1, 2015 (Updated June 2, 2016)  
**REVISION:** 4.0

**OVERVIEW:**

Juniper is announcing the end of life of QFX3500 and QFX3600 series. The last order date for these products will be May 1, 2016.

**AFFECTED PRODUCTS AND REPLACEMENTS:**

EOL Product Number	Product Description	Last Software Version	Suggested Hardware Replacement	Replacement Product Description	Minimum Software Version
QFX3500-48S4Q-ACR	QFX3500, 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, FRU to port airflow and RJ45 management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFI	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38
QFX3500-48S4Q-ACRB	QFX3500, 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, port to FRU airflow and RJ45 management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3500-48S4Q-ACRB-F	QFX3500, 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, port to FRU airflow and fiber management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3500-48S4Q-ACR-F	QFX3500, 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, FRU to port airflow and fiber management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFI	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38
QFX3500-48S4Q-AFI	QFX3500, 48 SFP+/SFP and 4 QSFP ports, Redundant fan trays, FRU side to port side air flow (Note: Management module ,	12.3X50 (standalone non-L2NG),	QFX5100-48S-AFI	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38

EOL Product Number	Product Description	Last Software Version	Suggested Hardware Replacement	Replacement Product Description	Minimum Software Version
	power supplies and power cords are sold separately)	15.1 (standalone L2NG), 14.1X53 (Qfabric)			
QFX3500-48S4Q-AFO	QFX3500, 48 SFP+/SFP and 4 QSFP ports, Redundant fan trays, Port side to FRU side air flow (Note: Management module , power supplies & power cords are sold separately)	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3500-ACRB-BNDL	2 X QFX3500-48S4Q-ACRB , 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, port to FRU airflow and RJ45 management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	No replacement Bundle		N/A
QFX3500-ACR-BNDL	2 X QFX3500-48S4Q-ACR , 48 SFP+/SFP and 4 QSFP ports, redundant dual AC power supply, FRU to port airflow and RJ45 management port	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	No replacement Bundle		N/A
QFX3500-RB-ACRB	QFX3500, 48 SFP+/SFP and 4 QSFP ports, dual AC power supply, dual fans, port to FRU airflow, RJ45 management port and removable mounting brackets	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3500-RB-ACRB-F	QFX3500, 48 SFP+/SFP and 4 QSFP ports, dual AC power supply, dual fans, port to FRU airflow, SFP management port and removable mounting brackets	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3500-RB-AFO	QFX3500 with removable mounting brackets, 48 SFP+/SFP and 4 QSFP ports, accessory kit, dual fan trays, port-to-FRU airflow, no AC power supply, and no management port.	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-48S-AFO	QFX5100, 48 SFP+/SFP ports, 6 QSFP+ ports, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38

<b>EOL Product Number</b>	<b>Product Description</b>	<b>Last Software Version</b>	<b>Suggested Hardware Replacement</b>	<b>Replacement Product Description</b>	<b>Minimum Software Version</b>
QFX3600-16Q-ACR	QFX3600 – 16 port QSFP+ Switch with three FANs . (FRU Side to Port Side Air Flow) and redundant AC power supplies	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFI	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38
QFX3600-16Q-ACRB	QFX3600 – 16 port QSFP+ Switch with three FANs . (Port Side to FRU Side Air Flow) and redundant AC power supplies	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFO	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3600-16Q-AFI	QFX3600 – 16 port QSFP+ Switch with three FANs . (FRU Side to Port Side Air Flow) Power supplies (2 required) and Power cables (2 required) not included.	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFI	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38
QFX3600-16Q-AFO	QFX3600 – 16 port QSFP Switch with three FANs (Port Side to FRU Side Air Flow) . Power supplies (2 required) and power cables (2 required) not included	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFO	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3600-I-16Q-ACR	QFX3600-I Interconnect chassis with three FANs (FRU Side to Port Side Air Flow) and redundant power AC power supplies.	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFI	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38
QFX3600-I-16Q-ACRB	QFX3600-I Interconnect chassis with three FANs Port Side to FRU Side Air Flow) and redundant power AC power supplies.	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFO	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3600-I-16Q-AFI	QFX3600-I Interconnect chassis with three FANs (FRU Side to Port Side Air Flow) Power supplies (2 required) and Power cables (2 required) not included.	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFI	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, back to front airflow	13.2X51-D38

EOL Product Number	Product Description	Last Software Version	Suggested Hardware Replacement	Replacement Product Description	Minimum Software Version
QFX3600-I-16Q-AFO	QFX3600-I Interconnect chassis with three FANs (Port Side to FRU Side Air Flow) . Power supplies (2 required) and power cables (2 required) not included	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	QFX5100-24Q-AFO	QFX5100, 24 QSFP+ ports, 2 expansion slots, redundant fans, 2 AC power supplies, front to back airflow	13.2X51-D38
QFX3008-FAB-8NODE-BNDL	QFabric QF/Node Bundle with 8 QF/Nodes and 32 QSFP+ optics	12.3X50 (standalone non-L2NG), 15.1 (standalone L2NG), 14.1X53 (Qfabric)	N/A	N/A	N/A

In addition to the End-of-sale announcement of the QFX3500 and QFX3600 SKUs above, all of the associated accessory components, spares components, for these products will also transition to end of sale. The last order date for these accessory component products will be May 1, 2016, also.

EOL Product Number	Product Description
QFX3500-48S4Q	QFX Series 3500 Edge, 48 SFP+/SFP and 4 QSFP Ports (FRU Side to Port Side Air Flow)(spare)
QFX3500-48S4Q-AFOS	QFX3500, 48 SFP+/SFP and 4 QSFP ports, (Port Side to FRU Side Air Flow) (spare)
QFX3500-FAN-AFO	Fan module (Port side to FRU side air flow) for QFX3500-48S4Q (spare)
QFX3500-FANAI	Fan module A (FRU Side to Port Side Air Flow) for QFX Series Edge QFX3500-48S4Q (spare)
QFX3500-MB	Management Board with RJ45 Interface for QFX3500-48S4Q (FRU Side to Port Side Air Flow), Spares, QFX
QFX3500-MB-RJ45-AFO	Management Board with 1GE RJ45 interface for QFX3500-48S4Q (Port side to FRU side air flow) (spare)
QFX3500-MB-SFP-AFI	Management Board with SFP interface for QFX3500-48S4Q (FRU side to port side air flow) (spare)
QFX3500-MB-SFP-AFO	Management Board with SFP interface for QFX3500-48S4Q (Port side to FRU side air flow) (spare)
QFX3500-RB-AFOS	QFX3500 without fixed brackets, 48 SFP+/SFP and 4 QSFP ports, No AC power supply, No fan, port to FRU airflow, No management port and no accessory kit.
QFX3500-RB-RMK	Adjustable 4-post rack-mount kit for QFX3500-RB-AFO
QFX3500-RMAR	Rear rack mount bracket A for QFX (spare)
QFX3600-16Q-AFIS	Base Chassis for 16 port QSFP+ switch and Fabric node with FRU side to port side Airflow- Does not include FAN trays or PS
QFX3600-16Q-AFOS	Base Chassis for 16 port QSFP+ switch and Fabric node with port side to FRU side Airflow - Does not include FAN trays or PS

QFX3600-I-16Q-AFIS	Base Chassis for 16 port QSFP+ Interconnect with FRU side to port side Airflow - Does not include FAN trays or PS
QFX3600-I-16Q-AFOS	Base Chassis for 16 port QSFP+ Interconnect with port side to FRU side Airflow- Does not include FAN trays or PS
QFXC01-FANBI	Fan module B (inlet) for QFX (spare)
QFXC01-FANBO	Fan module B (Outlet) for QFX (spare)
QFXC01-PWRACI-650A	QFX 650W Power Supply
QFXC01-RMBM	Rear & Middle Rck Mnt Brckt B,QFX spare
QFX-NODE-KIT	Node conversion kit

**FAQ (FREQUENTLY ASKED QUESTIONS)**

- **How does this end of sale notice affect me?**

*Juniper has announced End of Life of QFX3500 and QFX3600 product line and all the relevant SKUS associated with these product lines listed above will not be available for sale beyond May 1<sup>st</sup>, 2016. If you own one of these products please note that the final supported software version will be Junos 15.1xx for ELS and 12.3xx for non-ELS. Replacement products for these products are listed in Table 1. The products announced in this notice will be supported according to the end of life timetable below, provided that you have an active Juniper service contract.*

- **Why are you making this change?**

*The QFX3500 and QFX3600 product lines are old and are no longer competitive with newer and far more versatile Juniper QFX5100 product offerings. The older QFX3500 and QFX3600 products are not RoHS2 compliant. European legislation requires all new products shipped into the European Union countries to comply with RoHS2 legislation by July 2016. All QFX5100 products are (or will soon be) RoHS2 compliant and recommended as replacement products for QFX3500 and QFX3600*

- **Are there pre-owned or trade-up programs to help customers save on the transition?**

*Juniper offers a Certified Pre-owned program and will very soon be offering a Trade-in program. Please see <http://www.juniper.net/us/en/how-to-buy/certified-pre-owned/> for additional details.*

- **What if I need an RMA for my end of sale product?**

*As long as you have an active Juniper service contract, you're covered! Juniper maintains a suitable inventory to provide RMA replacements during the final lifecycle period as defined below.*

- **How does the EOL of QFX3500 and QFX3600 affect QFabric?**

*Juniper will continue to sell QFX3008 and QFX3100 as result QFabric-G will continue be available with QFX5100 as QFnode. For QFabric-M QFX5100-24Q is the replacement product for the interconnect device while QFX5100-48S is the replacement product for QFnode.*



**END OF LIFE TIMETABLE:**

<b>EOL Timetable Milestone</b>	<b>Definition of Action</b>	<b>Effective Date</b>
End of life notification	Product Support Notification released that announces end of sale of a product.	11/01/2015
Last Order Date	Last day to buy product, order a new service contract, or add product to an existing support contract. Thereafter, products and services are removed from price lists.	05/01/2016
Last Customer Receipt Date	Last Customer Receipt Date of shipment into EU or other country that has adopted the RoHS2 Directive.	07/15/2016
End of warranty service conversion	Last date to convert warranty coverage for products purchased prior to EOL to a support contract.	05/01/2017
First service step-down	The available services offerings for the product will be capped at Next-day and Next-day Onsite support. Same-day and Same-day onsite support will be discontinued.	05/01/2018
End of Software Engineering support date	EOSE is the date after which Juniper is no longer committed to furnish Software Engineering level support for the operating system software licensed for the affected hardware. This means that no further Releases (e.g. service or maintenance releases or patches) will be created for the support of the affected hardware product. JTAC support will generally be limited to investigation and troubleshooting in an attempt to provide solutions, configuration guidelines and workarounds.	05/01/2019
End of Hardware Engineering support date	After EOHE Juniper has no commitment to perform hardware engineering level support (including hardware modifications and hardware failure analysis) for hardware defects.	05/01/2019
Second service step-down	The available J-Care services offerings for the product will be capped at Core and CorePlus support. The available JNSAC service offerings will be capped at Basic, RTF and AR-5. Next-day and Next Day Onsite support will be discontinued.	05/01/2020
End of service contract renewal date	Last date to renew or extend existing service contracts. Support cannot extend beyond the end of service date.	05/01/2020
End of service date	Last date to receive contracted service (including hardware and software bug fixes, and logistics replacement or repair services) for the product. Limited support will be offered on a per-incident, non-contracted basis only, at the discretion of Juniper Networks.	05/01/2021

For more EOL product information and announcements please go to the following URL:

<https://www.juniper.net/alerts/>

For more EOS information, please go to the following URL:

<http://www.juniper.net/support/eol/>

If you have any questions concerning this notification, please contact Juniper Networks Customer Service.

Juniper Networks Customer Service may be contacted in one of several ways:

Via Telephone:

In the U.S., Canada, and Mexico: 888-314-JTAC

All other countries dial: 408-745-2121

Via the web @ <http://www.juniper.net/support/>