ADMINISTRATOR'S DECISION ON GLOBAL SERVICE SUBSTITUTION REQUEST

Date: December 26, 2017

Name: Dan Leister
Title: Sales Business Development Manager, E-rate
Company: Cisco
Phone: (801) 453-6730
E-Mail: daleiste@cisco.com

Dear Mr. Leister,

This is in response to your Global Service Substitution request, per letter/fax dated November 27, 2017.

The following are determined to be an acceptable substitution when used for eligible purposes.

*Due to volume please reference the attached spreadsheet

SKU	End of Life Description of SKU	Approved Substituted Product Replacement SKU	Replacement Description

You may provide applicants with a copy of this letter. Including this letter as attachments to request for payment will speed up the approval process.

Please do not hesitate to contact me if further clarification of this letter is required. I can be reached by phone, e-mail or write me at "SLD – Correspondence Unit, P. O. Box 685, 30 Lanidex Plaza, Parsippany, NJ 07054-0685."

To Appeal This Decision
If you wish to appeal a decision in this letter, your appeal must be received by USAC or postmarked within 60 days of the date of this letter. Failure to meet this requirement will result in automatic dismissal of your appeal. In your letter of appeal:

1. Include the name, address, telephone number, fax number, and (if available) email address for the person who can most readily discuss this appeal with us.

2. State outright that your letter is an appeal. Include the following to identify the letter and the decision you are appealing:
    - appellant name,
    - applicant or service provider name, if different than appellant,
    - applicant BEN and service provider SPIN,
    - application or form number as assigned by the USAC,
    - Funding Request Number(s) (FRNs) you are appealing if provided in the letter,
    - Name of letter and funding year – both are located at the top of the letter, and
    - the exact text or the decision that you are appealing.

3. Please keep your letter to the point, and provide documentation to support your appeal. Be sure to keep a copy of your entire appeal, including any correspondence and documentation.

4. If you are an applicant, please provide a copy of your appeal to the service provider(s) affected by USAC's decision. If you are a service provider, please provide a copy of your appeal to the applicant(s) affected by USAC's decision.

5. Provide an authorized signature on your letter of appeal.

Thank you for cooperation and continued support of the Universal Service Program.

Schools and Libraries Division
Universal Service Administrative Company

Product Description	Replacement SKU	Replacement SKU
15216-MD-40-EVEN=	ONS 15216 40channels Multiplexer / Demultiplexer	15216-EF-40-EVEN=
15216-MD-40-ODD=	ONS 15216 40channels Multiplexer / Demultiplexer	15216-EF-40-ODD=
15216-MD-ODD-LIC=	ONS 15216 40channels Multiplexer / Demultiplexer	15216-EF-ODD-LIC=
15454-40-DMX-C++=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	15216-EF-40-ODD=
15454-40-DMX-C=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	15216-EF-40-ODD=
15454-40-MUX-C++=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	15216-EF-40-ODD=
15454-40-MUX-C=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	15216-EF-40-ODD=
15454-40-WXC-C++=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	NCS2K-20-SMRFS-CV=
15454-40-WXC-C=	Cisco ONS15454 MSTP 40-Channel Wavelength Cross-Connect	NCS2K-20-SMRFS-CV=
15454-4SA-HD-FL3	Cisco 15454 Legacy Bay Assembly	15454-4SA-HD-FL4
15454-M2-DDR=	ONS 15454 M6 and M2 Ancillaries	NCS2002-DDR=
15454-M6-AC	ONS 15454 M6 and M2 Ancillaries	15454-M6-AC2
15454-M6-AC=	ONS 15454 M6 and M2 Ancillaries	15454-M6-AC2=
2D-X6848-SFP-2T=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP=
2D-X6848-TX-2T=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-TX=
2D-X6848-TX-2TXL=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP-XL=
A903-RSP1A-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP2A-128
A903-RSP1A-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP2A-64
A903-RSP1A-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-200-S
A903-RSP1A-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-400-S
A903-RSP1A-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP2A-128
A903-RSP1A-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP2A-64

A903-RSP1A-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-200-S
A903-RSP1A-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-400-S
A903-RSP1B-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-200-S
A903-RSP1B-55	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-400-S
A903-RSP1B-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-200-S
A903-RSP1B-55=	Cisco ASR 903 Route Switch Processor 1	A900-RSP3C-400-S
A903-RSPA-BLANK	Cisco ASR 903 Route Switch Processor Type-A Blank Cover	A90X-RSPA-BLANK
A903-RSPA-BLANK=	Cisco ASR 903 Route Switch Processor Type-A Blank Cover	A90X-RSPA-BLANK=
A9K-1X100GE-SE	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-SE
A9K-1X100GE-SE=	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-SE=
A9K-1X100GE-TR	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-TR
A9K-1X100GE-TR=	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-TR=
A9K-2X100GE-SE	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-SE
A9K-2X100GE-SE=	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-SE=
A9K-2X100GE-TR	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-TR
A9K-2X100GE-TR=	Cisco ASR 9000 Series 1-Port 100 and 2-Port 100 Gigabit Ethernet Line Cards	A9K-MOD200-TR=
AIR-CAP702I-A-K9	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-CAP702I-AK910	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-CAP702I-C-K9	AP700 Series Access Points	AIR-AP1815I-C-K9
AIR-CAP702I-CK910	AP700 Series Access Points	AIR-AP1815I-C-K9
AIR-CAP702I-E-K9	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-CAP702I-EK910	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-CAP702I-F-K9	AP700 Series Access Points	AIR-AP1815I-F-K9
AIR-CAP702I-H-K9	AP700 Series Access Points	AIR-AP1815I-

		H-K9
AIR-CAP702I-I-K9	AP700 Series Access Points	AIR-AP1815I-I-K9
AIR-CAP702I-IK910	AP700 Series Access Points	AIR-AP1815I-I-K9
AIR-CAP702I-IZBLK	AP700 Series Access Points	AIR-AP1815I-I-K9
AIR-CAP702I-K-K9	AP700 Series Access Points	AIR-AP1815I-K-K9
AIR-CAP702I-KK910	AP700 Series Access Points	AIR-AP1815I-K-K9
AIR-CAP702I-N-K9	AP700 Series Access Points	AIR-AP1815I-N-K9
AIR-CAP702I-NK910	AP700 Series Access Points	AIR-AP1815I-N-K9
AIR-CAP702I-Q-K9	AP700 Series Access Points	AIR-AP1815I-Q-K9
AIR-CAP702I-QK910	AP700 Series Access Points	AIR-AP1815I-Q-K9
AIR-CAP702I-R-K9	AP700 Series Access Points	AIR-AP1815I-R-K9
AIR-CAP702I-S-K9	AP700 Series Access Points	AIR-AP1815I-S-K9
AIR-CAP702I-T-K9	AP700 Series Access Points	AIR-AP1815I-T-K9
AIR-CAP702I-Z-K9	AP700 Series Access Points	AIR-AP1815I-Z-K9
AIR-CAP702I-ZK910	AP700 Series Access Points	AIR-AP1815I-Z-K9
AIR-CAP702W-A-K9	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-CAP702W-AK910	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-CAP702W-B-K9	AP700 Series Access Points	AIR-AP1815I-B-K9
AIR-CAP702W-C-K9	AP700 Series Access Points	AIR-AP1815I-C-K9
AIR-CAP702W-D-K9	AP700 Series Access Points	AIR-AP1815I-D-K9
AIR-CAP702W-E-K9	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-CAP702W-EK910	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-CAP702W-F-K9	AP700 Series Access Points	AIR-AP1815I-F-K9
AIR-CAP702W-H-K9	AP700 Series Access Points	AIR-AP1815I-H-K9

AIR-CAP702W-I-K9	AP700 Series Access Points	AIR-AP1815I-I-K9
AIR-CAP702W-K-K9	AP700 Series Access Points	AIR-AP1815I-K-K9
AIR-CAP702W-N-K9	AP700 Series Access Points	AIR-AP1815I-N-K9
AIR-CAP702W-NK910	AP700 Series Access Points	AIR-AP1815I-N-K9
AIR-CAP702W-Q-K9	AP700 Series Access Points	AIR-AP1815I-Q-K9
AIR-CAP702W-QK910	AP700 Series Access Points	AIR-AP1815I-Q-K9
AIR-CAP702W-R-K9	AP700 Series Access Points	AIR-AP1815I-R-K9
AIR-CAP702W-S-K9	AP700 Series Access Points	AIR-AP1815I-S-K9
AIR-CAP702W-T-K9	AP700 Series Access Points	AIR-AP1815I-T-K9
AIR-CAP702W-Z-K9	AP700 Series Access Points	AIR-AP1815I-Z-K9
AIR-CAP702W-ZK910	AP700 Series Access Points	AIR-AP1815I-Z-K9
AIR-SAP702I-A-K9	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-SAP702I-AK9-5	AP700 Series Access Points	AIR-AP1815I-A-K9
AIR-SAP702I-B-K9	AP700 Series Access Points	AIR-AP1815I-B-K9
AIR-SAP702I-BK9-5	AP700 Series Access Points	AIR-AP1815I-B-K9
AIR-SAP702I-C-K9	AP700 Series Access Points	AIR-AP1815I-C-K9
AIR-SAP702I-E-K9	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-SAP702I-EK9-5	AP700 Series Access Points	AIR-AP1815I-E-K9
AIR-SAP702I-F-K9	AP700 Series Access Points	AIR-AP1815I-F-K9
AIR-SAP702I-H-K9	AP700 Series Access Points	AIR-AP1815I-H-K9
AIR-SAP702I-I-K9	AP700 Series Access Points	AIR-AP1815I-I-K9
AIR-SAP702I-K-K9	AP700 Series Access Points	AIR-AP1815I-K-K9
AIR-SAP702I-N-K9	AP700 Series Access Points	AIR-AP1815I-N-K9
AIR-SAP702I-Q-K9	AP700 Series Access Points	AIR-AP1815I-

		Q-K9
AIR-SAP702I-R-K9	AP700 Series Access Points	AIR-AP1815I-R-K9
AIR-SAP702I-S-K9	AP700 Series Access Points	AIR-AP1815I-S-K9
AIR-SAP702I-T-K9	AP700 Series Access Points	AIR-AP1815I-T-K9
AIR-SAP702I-Z-K9	AP700 Series Access Points	AIR-AP1815I-Z-K9
ASR55-00-SWIDP220	ASR 5x00 Software Release 20.x	ASR55-00-SWIDP2211
ASR55-00-SWIDPC20	ASR 5x00 Software Release 20.x	ASR55-00-SWIDPC211
ASR55-00-SWUDP220	ASR 5x00 Software Release 20.x	ASR55-00-SWUDP2211
ASR55-00-SWUDPC20	ASR 5x00 Software Release 20.x	ASR55-00-SWUDPC211
ASR5K-SW-R20-K9	ASR 5x00 Software Release 20.x	ASR5K-SW-R211-K9
B-24CX-T	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
B-24CX-T=	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
B-3800X-T	Cisco ME 3800X Series Carrier Ethernet Switch Routers	ASR-902
C1-C4510RE-S7+96V+	Cisco Catalyst 4500 Supervisor Engine 7-E	C1-C4510RE-S8+96V+
C1-CISCO2901/K9	Cisco 2900 Series Integrated Services Routers	C1-CISCO4321/K9
C1-CISCO2911/K9	Cisco 2900 Series Integrated Services Routers	C1-CISCO4331/K9
C1-CISCO2921/K9	Cisco 2900 Series Integrated Services Routers	C1-CISCO4331/K9
C1-CISCO2951/K9	Cisco 2900 Series Integrated Services Routers	C1-CISCO4351/K9
C1-CISCO3925/K9	Cisco 3900 Series Integrated Services Routers	C1-CISCO4431/K9
C1-CISCO3925E/K9	Cisco 3900 Series Integrated Services Routers	C1-CISCO4431/K9
C1-CISCO3945/K9	Cisco 3900 Series Integrated Services Routers	C1-CISCO4431/K9
C1-CISCO3945E/K9	Cisco 3900 Series Integrated Services Routers	C1-CISCO4431/K9
C1-N5548UP4N2248TF	Nexus 5500-2000 bundles	C1-N5672UP-4FEX-1G
C1-N5548UP4N2248TP	Nexus 5500-2000 bundles	C1-N5672UP-4FEX-1G
C2901-AX/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-

		AX/K9
C2901-CME-SRST/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-V/K9
C2901-VSEC-CUBE/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-VSEC/K9
C2901-VSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-VSEC/K9
C2911-16ES2-P	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
C2911-AX/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-AX/K9
C2911-AXV/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-AXV/K9
C2911-CME-SRST/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
C2911-HW/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
C2911-VSEC-CUBE/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-VSEC/K9
C2911-VSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-VSEC/K9
C2911R-AX/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-AX/K9
C2911R-CME-SRST/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
C2911R-VSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-VSEC/K9
C2921-AX/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-AX/K9
C2921-AXV/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-AXV/K9
C2921-CME-SRST/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
C2921-VSEC-CUBE/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-VSEC/K9
C2921-VSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-VSEC/K9
C2951-AX/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-AX/K9
C2951-AXV/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-AXV/K9
C2951-CME-SRST/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-V/K9
C2951-VSEC-CUBE/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-VSEC/K9
C2951-VSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-VSEC/K9
C3925-AX/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-AX/K9
C3925-AXV/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-AXV/K9
C3925-CME-SRST/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-V/K9
C3925-VSEC-CUBE/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-

		VSEC/K9
C3925-VSEC/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-VSEC/K9
C4500E-3NR-7E-MGIG	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-3NR-8E-MGIG
C4500E-3NR-7E-UPOE	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-3NR-8E-UPOE
C4500E-6NR-7E-MGIG	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-6NR-8E-MGIG
C4500E-6NR-7E-UPOE	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-6NR-8E-UPOE
C4500E-7R-S7E-MGIG	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-7R-S8E-MGIG
C4500E-7R-S7E-UPOE	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-7R-S8E-UPOE
C4500E-S7-DEFAULT	Cisco Catalyst 4500 Supervisor Engine 7-E	C4510RE-S8-DEFAULT
C4500E-S7-UPOE	Cisco Catalyst 4500 Supervisor Engine 7-E	C4510RE-S8-UPOE
C4500E-S7E-SFP-DEF	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-S7E-S8-SFP
C4500E-S7L-S7	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-S7L-S8
C4500E-S7L-S7-SFP	Cisco Catalyst 4500 Supervisor Engine 7-E	C4500E-S7L-S8-SFP
CGM-3G-EVDO-V	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-MNA
CGM-3G-EVDO-V=	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-MNA=
CGM-3G-HSPA-A	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-MNA
CGM-3G-HSPA-A=	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-MNA=
CGM-3G-HSPA-AB-G	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-GA
CGM-3G-HSPA-AB-G=	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-GA=
CGM-3G-HSPA-G	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-GA
CGM-3G-HSPA-G=	Connected Grid Module 1000 Series 3G Modules	CGM-4G-LTE-GA=
CGR1K-IPSW-K9-30	CG-OS	SG10UK9-15603M
CGR1K-IPSW-K9-42	CG-OS	SG10UK9-15603M
CGR1K-IPSW-K9-43	CG-OS	SG10UK9-15603M

CGR1K-IPSW-K9-44	CG-OS	SG10UK9-15603M
CGR1K-IPSW-K9-45	CG-OS	SG10UK9-15603M
CISCO2901-16TS/K9	Cisco 2900 Series Integrated Services Routers	ISR4321/K9
CISCO2901-HSEC+/K9	Cisco 2900 Series Integrated Services Routers	ISR4321/K9
CISCO2901-HSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4321/K9
CISCO2901-IB/K9	Cisco 2900 Series Integrated Services Routers	ISR4321/K9
CISCO2901-SEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-SEC/K9
CISCO2901-V/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-V/K9
CISCO2901/K9	Cisco 2900 Series Integrated Services Routers	ISR4321/K9
CISCO2911-DC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2911-HSEC+/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2911-HSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2911-IB/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2911-SEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-SEC/K9
CISCO2911-V/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
CISCO2911/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2911R-SEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-SEC/K9
CISCO2911R-V/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
CISCO2911R/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2921-HSEC+/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2921-HSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2921-IB/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2921-SEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-SEC/K9
CISCO2921-V/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
CISCO2921/K9	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
CISCO2951-DC/K9	Cisco 2900 Series Integrated Services Routers	ISR4351/K9
CISCO2951-HSEC+/K9	Cisco 2900 Series Integrated Services Routers	ISR4351/K9
CISCO2951-HSEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4351/K9
CISCO2951-SEC/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-SEC/K9
CISCO2951-V/K9	Cisco 2900 Series Integrated Services Routers	ISR4351-V/K9
CISCO2951/K9	Cisco 2900 Series Integrated Services Routers	ISR4351/K9
CISCO3925-CHASSIS	Cisco 3900 Series Integrated Services Routers	ISR4431/K9
CISCO3925-HSEC+/K9	Cisco 3900 Series Integrated Services Routers	ISR4431/K9
CISCO3925-HSEC/K9	Cisco 3900 Series Integrated Services Routers	ISR4431/K9
CISCO3925-SEC/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-SEC/K9
CISCO3925-V/K9	Cisco 3900 Series Integrated Services Routers	ISR4431-V/K9
CISCO3925/K9	Cisco 3900 Series Integrated Services Routers	ISR4431/K9

CISCO866VAE	Cisco 860VAE Series Integrated Services Routers	C866VAE-K9
CISCO866VAE-K9	Cisco 860VAE Series Integrated Services Routers	C866VAE-K9
CISCO867VAE	Cisco 860VAE Series Integrated Services Routers	C867VAE
CISCO867VAE-K9	Cisco 860VAE Series Integrated Services Routers	C867VAE-K9
CONE-2921-ATO	Cisco 2900 Series Integrated Services Routers	ISR4331/K9
EM-4BRI-NT/TE	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4BRI-NT/TE=
EM-4BRI-NT/TE=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4BRI-NT/TE=
FL-SRE-V-HOST	Cisco UCS E-Series Select Components	FL-UCSE-VS6-HYP
FL-SRE-V-HOST=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-HYP=
FL-SRE-V-HOSTVC	Cisco UCS E-Series Select Components	FL-UCSE-VS6-FND
FL-SRE-V-HOSTVC=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-FND=
FL-SRE-V-VC-UPG=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-FND=
FMC-6.0-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FMC-6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FMC-750-6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FP7010-K9	Cisco FirePOWER Appliance 7000 Series Appliances (7010, 7020, 7030)	ASA5516
FS2K-5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FS4K-5.4-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FS4K-5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
FSXK-5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
HWIC-2A/S	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-16A
HWIC-2A/S	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2T
HWIC-2A/S=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-16A=
HWIC-2A/S=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2T=
HWIC-4T	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4T
HWIC-4T1/E1	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4MFT-T1/E1
HWIC-4T1/E1=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4MFT-T1/E1=
HWIC-4T=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4T=
L-FL-SRE-V-HOST=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-HYP=

L-FL-SRE-V-HOSTVC=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-FND=
L-FL-SRE-V-VC-UPG=	Cisco UCS E-Series Select Components	FL-UCSE-VS6-FND=
L-XRV-RR-A-L-1YR=	IOS XRV	S-XRV9000-VRR1M1Y
L-XRV-RR-A-L-3YR	IOS XRV	S-XRV9000-VRR1M3Y
L-XRV-RR-A-L-3YR=	IOS XRV	S-XRV9000-VRR1M3Y
L-XRV-RR-B-L-1YR	IOS XRV	S-XRV9000-VRR1M1Y
L-XRV-RR-B-L-1YR=	IOS XRV	S-XRV9000-VRR1M1Y
L-XRV-RR-B-L-3YR	IOS XRV	S-XRV9000-VRR1M3Y
L-XRV-RR-B-L-3YR=	IOS XRV	S-XRV9000-VRR1M3Y
ME-3600X-24C-M	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24TZ-M
ME-3600X-24C-M=	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24TZ-M
ME-3600X-24CX-M	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
ME-3600X-24CX-M=	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
ME-3600X-24FS-M	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
ME-3600X-24FS-M=	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24SZ-M
ME-3600X-24TS-M	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24TZ-M
ME-3600X-24TS-M=	Cisco ME 3600X Series Ethernet Access Switches	ASR-920-24TZ-M
ME-3800X-24FS-M	Cisco ME 3800X Series Carrier Ethernet Switch Routers	ASR-902
ME-3800X-24FS-M=	Cisco ME 3800X Series Carrier Ethernet Switch Routers	ASR-902
ME-3800X-PHAN	Cisco ME 3800X Series Carrier Ethernet Switch Routers	ASR-902
MR62-HW	MR62 Cloud Managed AP	MR74-HW
N5548UP-4N2232TF	Nexus 5500-2000 bundles	N5672UP-4FEX-10GT
N5548UP-4N2248TF	Nexus 5500-2000 bundles	N5672UP-4FEX-1G
N5548UP-4N2248TP	Nexus 5500-2000 bundles	N5672UP-4FEX-1G
N5548UPL3-2N2248TF	Nexus 5500-2000 bundles	N5672UP-4FEX-1G
N5548UPM-4FEX	Nexus 5500-2000 bundles	N5672UP-

		4FEX-1G
N5548UPM-4N2232PF	Nexus 5500-2000 bundles	N5672UP-4FEX-10G
N5548UPM-6N2248TF	Nexus 5500-2000 bundles	N5672UP-6FEX-1G
N5548UPM-6N2248TP	Nexus 5500-2000 bundles	N5672UP-6FEX-1G
N5596UP-4FEX	Nexus 5500-2000 bundles	N56128P-4FEX-10GT
N5596UP-4N2232PF	Nexus 5500-2000 bundles	N56128P-4FEX-10G
N5596UP-6N2232TF	Nexus 5500-2000 bundles	N56128PM-6FEX-10GT
N5596UP-6N2248TF	Nexus 5500-2000 bundles	N56128P-6FEX-1G
N5596UP-6N2248TP	Nexus 5500-2000 bundles	N56128P-6FEX-1G
N5596UPM-6FEX	Nexus 5500-2000 bundles	N56128PM-6FEX-10G
N5596UPM-8N2248TF	Nexus 5500-2000 bundles	N56128P-8FEX-1G
N5596UPM-8N2248TP	Nexus 5500-2000 bundles	N56128P-8FEX-1G
N5596UPMM-12N2248T	Nexus 5500-2000 bundles	N56128PM-12FEX-1G
N5596UPMM-8FEX	Nexus 5500-2000 bundles	N56128PM-8FEX-10GT
N77-F248XP-23E	Cisco Nexus 7000 and 7700 F2-Series Enhanced 48-Port Fiber 1 and 10 Gigabit Ethernet Module	N77-F348XP-23
N77-F248XP-23E=	Cisco Nexus 7000 and 7700 F2-Series Enhanced 48-Port Fiber 1 and 10 Gigabit Ethernet Module	N77-F348XP-23=
N7K-F248XP-25E	Cisco Nexus 7000 and 7700 F2-Series Enhanced 48-Port Fiber 1 and 10 Gigabit Ethernet Module	N7K-F348XP-25
N7K-F248XP-25E=	Cisco Nexus 7000 and 7700 F2-Series Enhanced 48-Port Fiber 1 and 10 Gigabit Ethernet Module	N7K-F348XP-25=
N9K-X9536PQ	N9K-X9536PQ Linecard On Cisco Nexus 9500	N9K-X9732C-EX
N9K-X9536PQ=	N9K-X9536PQ Linecard On Cisco Nexus 9500	N9K-X9732C-EX=
N9K-X9736PQ	N9K-X9736PQ Linecard On Cisco Nexus 9500	N9K-X9732C-EX
N9K-X9736PQ=	N9K-X9736PQ Linecard On Cisco Nexus 9500	N9K-X9732C-EX=
NM-1T3/E3-RF	Refurbished Cisco T3/E3 Network Module	SM-X-1T3/E3=
NM-1T3/E3-WS	Refurbished Cisco T3/E3 Network Module	SM-X-1T3/E3
PVDM3-16	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-32
PVDM3-16=	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-32

PVDM3-192	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-256
PVDM3-192=	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-256
PVDM3-32	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-32
PVDM3-32=	Cisco 2900 and 3900 Series Integrated Services Router Modules	PVDM4-32
RV042-CN	Cisco RV042 Dual WAN VPN Router	RV320-K9-CN
RV082-BR	Cisco RV082 Dual WAN VPN Router	RV325-K9-NA
RV315W-A-K9-NA	Cisco RV315 Dual WAN Wireless-N VPN Router	RV130W-A-K9-NA
SF-ASA-FP5.4-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-ASA-FP6.2-K9
SF-ASA-FP5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-ASA-FP6.2-K9
SF-ASA-FP6.0-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-ASA-FP6.2-K9
SF-ASA-TD6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-ASA-TD6.2-K9
SF-F9K-TD6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-F9K-TD6.2-K9
SF-FMC-6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
SF-FMC750-6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
SF-FP5.4-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FP6.2-K9
SF-FP5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FP6.2-K9
SF-FP6.0-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FP6.2-K9
SF-FPR-TD6.0.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FPR-TD6.2-K9
SF-FS5.4-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
SF-FS5.4.1-K9	Cisco Firepower Software Releases 5.4, 6.0 and 6.0.1 and Firepower Management Center Software Releases 5.4, 6.0 and 6.0.1	SF-FMC-6.2-K9
SF-FXOS-1.0-K9	Cisco Firepower eXtensible Operating System Releases 1.x	SF-FXOS9K-2.0-K9
SF-FXOS-1.1-K9	Cisco Firepower eXtensible Operating System Releases 1.x	SF-FXOS9K-2.0-K9
SF-FXOS4K-1.1-K9	Cisco Firepower eXtensible Operating System Releases 1.x	SF-FXOS4K-2.0-K9
SF-FXOS9K-1.1-K9	Cisco Firepower eXtensible Operating System Releases 1.x	SF-FXOS9K-2.0-K9
SF500-24-K9-AU	Cisco 500 Series Stackable Managed Switches	SF550X-24-K9-AU
SF500-24-K9-BR	Cisco 500 Series Stackable Managed Switches	SF550X-24-K9-BR

SF500-24-K9-CN	Cisco 500 Series Stackable Managed Switches	SF550X-24-K9-CN
SF500-24-K9-NA	Cisco 500 Series Stackable Managed Switches	SF550X-24-K9-NA
SF500-24MP-K9-AU	Cisco SF500-24MP and SF500-48MP Stackable Managed Switches	SF550X-24MP-K9-AU
SF500-24MP-K9-NA	Cisco SF500-24MP and SF500-48MP Stackable Managed Switches	SF550X-24MP-K9-NA
SF500-24P-K9-BR	Cisco 500 Series Stackable Managed Switches	SF550X-24P-K9-BR
SF500-24P-K9-CN	Cisco 500 Series Stackable Managed Switches	SF550X-24P-K9-CN
SF500-24P-K9-NA	Cisco 500 Series Stackable Managed Switches	SF550X-24P-K9-NA
SF500-48-K9-BR	Cisco 500 Series Stackable Managed Switches	SF550X-48-K9-BR
SF500-48-K9-NA	Cisco 500 Series Stackable Managed Switches	SF550X-48-K9-NA
SF500-48MP-K9-AU	Cisco SF500-24MP and SF500-48MP Stackable Managed Switches	SF550X-48MP-K9-AU
SF500-48MP-K9-NA	Cisco SF500-24MP and SF500-48MP Stackable Managed Switches	SF550X-48MP-K9-NA
SF500-48P-K9-BR	Cisco 500 Series Stackable Managed Switches	SF550X-48P-K9-BR
SF500-48P-K9-NA	Cisco 500 Series Stackable Managed Switches	SF550X-48P-K9-NA
SF90D-08-CN-1	Cisco Small Business Unmanaged Switches (Select Models)	SF95D-08-CN
SG102-24-UK	Cisco Small Business Unmanaged Switches (Select Models)	SG112-24-UK
SG500-28-K9-AR	Cisco 500 Series Stackable Managed Switches	SG350X-24-K9-AR
SG500-28-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-24-K9-BR
SG500-28P-K9-AR	Cisco 500 Series Stackable Managed Switches	SG350X-24P-K9-AR
SG500-28P-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-24P-K9-BR
SG500-52-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-48-K9-BR
SG500-52P-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-48P-K9-BR
SG500X-24-K9-AU	Cisco 500 Series Stackable Managed Switches	SG550X-24-K9-AU
SG500X-24-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-24-K9-BR
SG500X-24-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-24-K9-NA
SG500X-24MPP-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-

		24MPP-K9-NA
SG500X-24P-K9-AU	Cisco 500 Series Stackable Managed Switches	SG550X-24MP-K9-AU
SG500X-24P-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-24MP-K9-BR
SG500X-24P-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-24MP-K9-NA
SG500X-48-K9-AU	Cisco 500 Series Stackable Managed Switches	SG550X-48-K9-AU
SG500X-48-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-48-K9-BR
SG500X-48-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-48-K9-NA
SG500X-48MP-K9-AU	Cisco 500 Series Stackable Managed Switches	SG550X-48MP-K9-AU
SG500X-48MP-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-48MP-K9-NA
SG500X-48P-K9-AU	Cisco 500 Series Stackable Managed Switches	SG550X-48P-K9-AU
SG500X-48P-K9-BR	Cisco 500 Series Stackable Managed Switches	SG350X-48P-K9-BR
SG500X-48P-K9-NA	Cisco 500 Series Stackable Managed Switches	SG550X-48P-K9-NA
SG90D-08-CN-1	Cisco Small Business Unmanaged Switches (Select Models)	SG95D-08-CN
SPIAD2901	Cisco 2900 Series Integrated Services Routers	ISR4321-V/K9
SPIAD2901-8FXS/K9	Cisco 2900 Series Integrated Services Routers	ISR4321-V/K9
SPIAD2911	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
SPIAD2911-16FXS/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
SPIAD2911-24FXS/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
SPIAD2911CME16F/K9	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
SPIAD2921	Cisco 2900 Series Integrated Services Routers	ISR4331-V/K9
VIC2-2BRI-NT/TE	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2BRI-NT/TE
VIC2-2BRI-NT/TE=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2BRI-NT/TE=
VIC2-2FXO	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXO
VIC2-2FXO=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXO=
VIC3-2E/M	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4E/M
VIC3-2E/M=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4E/M=
VIC3-2FXS-E/DID	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXS
VIC3-2FXS-E/DID=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXS=
VIC3-2FXS/DID	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXS
VIC3-2FXS/DID=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-2FXS=
VIC3-4FXS/DID	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4FXS
VIC3-4FXS/DID-S	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4FXS

VIC3-4FXS/DID=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4FXS=
VWIC3-4MFT-T1/E1	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4MFT-T1/E1
VWIC3-4MFT-T1/E1=	Cisco 2900 and 3900 Series Integrated Services Router Modules	NIM-4MFT-T1/E1=
WAVE-294-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	ENCS-5406-W
WAVE-594-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	ENCS-5408-W
WAVE-694-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	ENCS-5412-W
WAVE-7541-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	LIC-12K-VWAAS
WAVE-7571-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	LIC-50K-VWAAS
WAVE-8541-K9	WAVE 294, 594, 694, 7541, 7571 and 8541 Platforms	LIC-150K-VWAAS
WS-C4510RE-S7+96V+	Cisco Catalyst 4500 Supervisor Engine 7-E	WS-C4510RE-S8+96V+
WS-X45-SUP7-E	Cisco Catalyst 4500 Supervisor Engine 7-E	WS-X45-SUP8-E
WS-X45-SUP7-E/2	Cisco Catalyst 4500 Supervisor Engine 7-E	WS-X45-SUP8-E/2
WS-X45-SUP7-E=	Cisco Catalyst 4500 Supervisor Engine 7-E	WS-X45-SUP8-E=
WS-X6824-SFP-2T	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP
WS-X6824-SFP-2T=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP=
WS-X6824-SFP-2TXL	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP-XL
WS-X6824-SFP-2TXL=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP-XL=
WS-X6848-SFP-2T	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP
WS-X6848-SFP-2T=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP=
WS-X6848-SFP-2TXL	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP-XL=
WS-X6848-SFP-2TXL=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-SFP-XL=
WS-X6848-TX-2T	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-TX
WS-X6848-TX-2T=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-TX=
WS-X6848-TX-2TXL	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-TX-XL=
WS-X6848-TX-2TXL=	Cisco Catalyst 6500/6500-E Series 1 Gigabit Ethernet Fiber and Copper Line Cards and Accessories	C6800-48P-TX-XL=