



Cisco Network Convergence System Routers NCS 4206-4216 Series Feature Compatibility Matrix

July 2023

Cisco Systems, Inc.
www.cisco.com

Cisco has more than 200 offices worldwide.
Addresses, phone numbers, and fax numbers
are listed on the Cisco website at
www.cisco.com/go/offices.

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2023 Cisco Systems, Inc. All rights reserved.

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers



Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Egress Policing on Non Priority Queues	3.18.0SP	NA
Synchronous Ethernet (SyncE): ESMC & SSM		3.18.0SP
MPLS TE NSR	3.18.0SP	
Provide option to enable/disable USB	3.18.0SP	3.18.0SP
syslog and trigger support for external alarm	3.18.0SP	3.18.0SP
Support for IEEE 1588-2008 Precision Clock Synchronization Protocol	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
REP Configurable Timers aka REP Fast Hellos	3.18.0SP	
QoS Packet Marking	3.18.0SP	3.18.0SP
1588-2008 Boundary Clock	3.18.0SP	3.18.0SP
Hot Standby Pseudowire Support for Ethernet	3.18.0SP	
Hot Standby Pseudowire Support for TDM ACs	3.18.0SP	
RMON Full	3.18.0SP	
Y.1731 Performance Monitoring	3.18.0SP	3.18.0SP
Y.1731 Performance Monitoring (Xconnect & Port-Channel Support)	3.18.0SP	
Punt Policing and Monitoring	3.18.0SP	3.18.0SP
Multi-protocol BGP (MP-BGP) - MPLS VPN	3.18.0SP	3.18.0SP
Embedded Event Manager (EEM) 4.0	3.18.0SP	3.18.0SP
ITU-T G.8032 Ethernet Ring Protection Switching	3.18.0SP	3.18.0SP
Temperature and Voltage Monitoring	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Egress policing and marking	3.18.0SP	3.18.0SP
1588 PTP Best Master Clock Algorithm (BMCA) a.k.a. PTP Redundancy	3.18.0SP	3.18.0SP
IPv6 Routing: IS-IS Support for IPv6	3.18.0SP	3.18.0SP
DHCPv6 - Relay chaining for Prefix Delegation	3.18.0SP	
NTPv4 hardening through import of open source version 4.2.6p2 (July 2010)	3.18.0SP	
L2VPN Componentization	3.18.0SP	3.18.0SP
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy)	3.18.0SP	3.18.0SP
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy) support fpr Xonnect & BD Up MEP	3.18.0SP	3.18.0SP
IPv4 unicast routing support	3.18.0SP	3.18.0SP
L2&L3 QoS ACL classification	3.18.0SP	3.18.0SP
SSO Support for REP Fast Hellos	3.18.0SP	3.18.0SP
QoS EXP matching	3.18.0SP	3.18.0SP
QoS Support	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Dying Gasp Support for Loss of power supply via SNMP, Syslog and Ethernet OAM	3.18.0SP	
6PE support	3.18.0SP	
Min Link Support for Port channel	3.18.0SP	3.18.0SP
Port-Shaper and LLQ in the presence of EFPs	3.18.0SP	3.18.0SP
match any classification	3.18.0SP	3.18.0SP
IEEE BMCA	3.18.0SP	3.18.0SP
Right To Use (RTU) licensing support	3.18.0SP	3.18.0SP
QoS ACLs	3.18.0SP	3.18.0SP
IGMP Snooping on EFP	3.18.0SP	3.18.0SP
IGMP Snooping on Trunk EFP	3.18.0SP	3.18.0SP
IGMP Snooping on Port Channel	3.18.0SP	
IGMP State Limit	3.18.0SP	3.18.0SP
iPv4 multicast per VRF		3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
L2VPN Protocol Based CLI	3.18.0SP	3.18.0SP
Storm Control	3.18.0SP	3.18.0SP
Ethernet Data Plane Loopback (with MAC swap)	3.18.0SP	3.18.0SP
G.8032 and CFM support for Microwave Adaptive Bandwidth	3.18.0SP	3.18.0SP
Synthetic Frame Loss Measurement (ETH-SLM)	3.18.0SP	3.18.0SP
IPSLA Support for ETH-SLM (Ethernet Synthetic Loss Measurement in Y1731)	3.18.0SP	3.18.0SP
Switch Port Analyzer (SPAN)	3.18.0SP	3.18.0SP
Hybrid Clocking Support	3.18.0SP	3.18.0SP
Time of Day Selection	3.18.0SP	3.18.0SP
EVC & BD MIB support for trunk EFP	3.18.0SP	3.18.0SP
Ethernet Data-Plane Loopback - Route port support & HA	3.18.0SP	
Trunk EFP Support on Ether-Channel Interfaces	3.18.0SP	3.18.0SP
Egress default queue limit improvement and percent bandwidth support	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
1588 BC over MPLS	3.18.0SP	3.18.0SP
ITU-T Telecom Profile G.8265.1	3.18.0SP	3.18.0SP
IEEE 802.3ad Link Aggregation (LACP)	3.18.0SP	3.18.0SP
QoS: Global CLI for CoS to EXP table mapping	3.18.0SP	
PTP over Native Ethernet	3.18.0SP	
QoS Support for Ether Channels	3.18.0SP	3.18.0SP
IP FRR/Remote LFA FRR with L2VPN	3.18.0SP	3.18.0SP
EVC Default Encapsulation for QinQ & xconnect		3.18.0SP
Show Interface Capabilities		3.18.0SP
IPv6 Services: Extended Access Control Lists	3.18.0SP	
IPv6 Switching: Provider Edge Router over MPLS (6PE)	3.18.0SP	3.18.0SP
BGP GSHUT enhancement	3.18.0SP	
BGP Monitoring Protocol	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
VRF aware BGP translate-update	3.18.0SP	
BGP - RTC for legacy PE	3.18.0SP	
IOS VRF Multicast Multi-Topology Support	3.18.0SP	
End-to-End Transparent Clocking	3.18.0SP	3.18.0SP
Multi-Topology BGP with VRF enhancement	3.18.0SP	
ISIS local microloop protection	3.18.0SP	3.18.0SP
Autonomic Networking: Certificate Management		
IP tunnel: Autonomic Networking Support	3.18.0SP	
AutoInstall Using DHCP for LAN Interfaces	3.18.0SP	
IPSLA Y1731 SLM Feature Enhancements	3.18.0SP	3.18.0SP
IP SLA - Service Performance Testing Infrastructure	3.18.0SP	16.5.1
MPLS Traffic Engineering (TE) - Fast Reroute (FRR) Link and Node Protection	3.18.0SP	3.18.0SP
BGP - Accumulated IGP	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
802.1ad	3.18.0SP	3.18.0SP
TWAMP RFC complaince	3.18.0SP	16.5.1
Table Map	3.18.0SP	
G.8032 (3.3 ms CCM)	NA	3.18.0SP
IEEE 802.1p Support	3.18.0SP	3.18.0SP
IP FRR over BDI	3.18.0SP	3.18.0SP
NTP Timestamping	3.18.0SP	
Smart Licensing with HA Support	3.18.0SP	3.18.0SP
Dual Rate	NA	
IPv6 Routing: OSPF for IPv6 (OSPFv3)	3.18.0SP	3.18.0SP
Remote SPAN (RSPAN)	3.18.0SP	
DHCP Snooping	3.18.0SP	3.18.0SP
BFD over TDM Routed	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
L2PT - Layer 2 Protocol Tunneling	3.18.0SP	3.18.0SP
Secure Shell SSH Version 2 Client Support	3.18.0SP	3.18.0SP
EVC Push Rewrite		3.18.0SP
IPv6 QoS: MQC Packet Classification	3.18.0SP	3.18.0SP
IPv6 Routing: Static Routing	3.18.0SP	3.18.0SP
IPv6 Switching: CEF/dCEF Support	3.18.0SP	3.18.0SP
SNMP over IPv6	3.18.0SP	3.18.0SP
PIM Version 2	3.18.0SP	3.18.0SP
BFD Support for Multicast(PIM)	3.18.0SP	
Class-based QoS MIB	3.18.0SP	3.18.0SP
MPLS (Multiprotocol Label Switching)	3.18.0SP	3.18.0SP
CDP (Cisco Discovery Protocol) Version 2	3.18.0SP	3.18.0SP
IPv6 VPN over MPLS (6VPE)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
PTP over Native Ethernet	3.18.0SP	
EVC Local Connect	3.18.0SP	3.18.0SP
IEEE 802.1Q VLAN Support	3.18.0SP	3.18.0SP
SNMPv3 (SNMP Version 3)	3.18.0SP	3.18.0SP
Configurable Per VLAN MAC Learning (PVL)	3.18.0SP	
MPLS LDP - IGP Synchronization	3.18.0SP	3.18.0SP
Class Based Policing	3.18.0SP	3.18.0SP
Y.1731 DMMv1	3.18.0SP	3.18.0SP
RSVP - Resource Reservation Protocol	3.18.0SP	3.18.0SP
Remote Monitoring MIB Update	3.18.0SP	
Class Based Weighted Fair Queuing (CBWFQ)	3.18.0SP	3.18.0SP
IPv6 ACL	3.18.0SP	3.18.0SP
PPP	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
HSRP support	3.18.0SP	3.18.0SP
Microwave ACM Signaling and EEM integration	3.18.0SP	
Microwave ACM Signaling over P2MP Topologies	3.18.0SP	
SNMPv3 - 3DES and AES Encryption Support	3.18.0SP	
TACACS+	3.18.0SP	3.18.0SP
MPLS Forwarding Infrastructure Scalability	3.18.0SP	3.18.0SP
STP Syslog Messages	3.18.0SP	
L2PT - Layer 2 Protocol Tunneling on Trunk Ports	3.18.0SP	3.18.0SP
IPv6 Routing: Unicast Routing	3.18.0SP	3.18.0SP
Diffserv Compliant WRED	3.18.0SP	3.18.0SP
BGP Support for TCP Path MTU Discovery per Session	3.18.0SP	3.18.0SP
Ethernet Connectivity Fault Management (E-CFM)	3.18.0SP	3.18.0SP
SNMP (Simple Network Management Protocol)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Support for dissimilar PHB match at Ingress and Egress for mpls/vpls interface.	3.18.0SP	3.18.0SP
MPLS VPN - Inter-Autonomous System Support	3.18.0SP	3.18.0SP
OSPF TTL Security Check	3.18.0SP	3.18.0SP
Ethernet Operations, Administration, and Maintenance (OAM)	3.18.0SP	3.18.0SP
Service Activation	3.18.0SP	
Etherchannel Min-Links	3.18.0SP	3.18.0SP
IP 16-way Equal-Cost Multipath	3.18.0SP	
RADIUS	3.18.0SP	3.18.0SP
Ethernet Local Management Interface (LMI) at Provider Edge (PE)	3.18.0SP	3.18.0SP
DHCP Option 82 Configurable Circuit ID and Remote ID	3.18.0SP	
MPLS Virtual Private Networks (VPN)	3.18.0SP	3.18.0SP
DHCP - DHCPv6 Relay Agent notification for Prefix Delegation	3.18.0SP	
onePK SS: Policy API for QoS Multi-Action Policer	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Interfaces MIB: SNMP context based access	3.18.0SP	3.18.0SP
IEEE 802.1ab LLDP (Link Layer Discovery Protocol)	3.18.0SP	3.18.0SP
Network Time Protocol (NTP)		3.18.0SP
EFP aware QoS	3.18.0SP	3.18.0SP
IEEE 802.1ag (CFM) Support on Port-Channel Interface	3.18.0SP	16.5.1
Secure Copy (SCP)	3.18.0SP	3.18.0SP
REP - (Resilient Ethernet Protocol)	3.18.0SP	
1 rate 2 color per EVC policer	3.18.0SP	3.18.0SP
BFD - Static Route Support	3.18.0SP	3.18.0SP
BFD IPv6 Encaps Support	3.18.0SP	
IPv6 - Static Route support for BFD over IPv6	3.18.0SP	
BGP Support for 4-byte ASN	3.18.0SP	3.18.0SP
EVC 2.0 - Advanced VLAN translations & service mapping based on 802.1ah	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
EVC MIB	3.18.0SP	3.18.0SP
Dual Rate Three Color Ingress Policer on Service Instances	3.18.0SP	3.18.0SP
MST on EVC Bridge-Domain	3.18.0SP	3.18.0SP
SLM Over VPLS	3.18.0SP	3.18.0SP
ACL- DSCP Matching	3.18.0SP	3.18.0SP
ACL - Source & Destination Address Matching	3.18.0SP	3.18.0SP
E&M over MPLS	3.18.0SP	
ACL - IP Protocol	3.18.0SP	3.18.0SP
Static MAC binding to EVCs and Psuedowires	3.18.0SP	3.18.0SP
IP SLAs TWAMP Responder v1.0	3.18.0SP	
Modular QoS CLI (MQC)	3.18.0SP	3.18.0SP
CFM over EFP interface configured with xconnect	3.18.0SP	3.18.0SP
Resilient Ethernet Protocol-no-edge-neighbour-enhancement	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Jumbo Frames	3.18.0SP	3.18.0SP
IP FRR	3.18.0SP	3.18.0SP
Synchronous Ethernet Support	3.18.0SP	3.18.0SP
FHRP - HSRP - Hot Standby Router Protocol V2		3.18.0SP
PIM Version 2	3.18.0SP	3.18.0SP
Ordinary Clock Master		3.18.0SP
PTP High Jitter Mode		3.18.0SP
IPv6 Multicast: Multicast Listener Discovery (MLD) Protocol, Versions 1 and 2	3.18.0SP	3.18.0SP
Fp init fails with Qos policies and with huge range of BD on TEFP	3.18.0SP	3.18.0SP
Set and police in the same class-map (Ingress and Egress)	3.18.0SP	3.18.0SP
Egress Port Level Policy with Ingress EFP Level Policy	3.18.0SP	3.18.0SP
OSPF doesn't come up when PIM is enabled on VPLS core interface	3.18.0SP	
VRRPv3 Protocol Support	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
BFD Support for HSRP	3.18.0SP	3.18.0SP
L2VPN Static to Dynamic PW Interconnection & PW Preferred Path for MPLS-TP Tunnels	3.18.0SP	
MPLS-TP: PW Redundancy for Static PWs	3.18.0SP	
MPLS-TP: MS-PW with Static and Dynamic PW Support	3.18.0SP	
L2VPN: PW Status for Static PWs	3.18.0SP	
Bidirectional MPLS-TP LSP	3.18.0SP	
MPLS-TP Path Protection	3.18.0SP	
MPLS-TP OAM: GACH	3.18.0SP	
MPLS-TP OAM: Continuity Check via BFD	3.18.0SP	
MPLS-TP OAM: Ping/Trace	3.18.0SP	
MPLS-TP OAM: Fault Management	3.18.0SP	
BFD - BFD Hardware Offload Support	3.18.0SP	3.18.0SP
Kerberos V Client Support		3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Unicast Reverse Path Forwarding (uRPF)	3.18.0SP	3.18.0SP
CFM Extension for 1+1 Hot-Standby Support	3.18.0SP	3.18.0SP
VPLS over MPLS-TP	3.18.0SP	
MPLS-TP: LDP signaling over MPLS TP LSPs	3.18.0SP	
MPLS-TP: IP addresses for MPLS TP interfaces	3.18.0SP	
MPLS TP: IP-less configuration of MPLS TP tunnels	3.18.0SP	
Any Transport over MPLS (AToM): Layer 2 QoS (Quality of Service)		
Callhome V2 enhancements	3.18.0SP	3.18.0SP
Call Home V3	3.18.0SP	
BGP - MP-iBGP NSR	3.18.0SP	3.18.0SP
Cisco-BGP-MIPv2	3.18.0SP	3.18.0SP
Trunk EFP support	3.18.0SP	3.18.0SP
MVPN	3.18.0SP	16.5.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
CSL (Cisco Secure Licensing Support)	3.18.0SP	
BFD: BGP multihop client Support (IPv4/IPv6)	3.18.0SP	
BGP: Gracefull Shutdown (GSHUT)	3.18.0SP	3.18.0SP
MFI -Extended LFA	3.18.0SP	3.18.0SP
MAC Limiting per VFI and BD	3.18.0SP	
CFM Support on Trunk EFP	3.18.0SP	3.18.0SP
Link Path Through	3.18.0SP	3.18.0SP
Spanning Tree Protocol (STP)		3.18.0SP
Static VPLS over MPLS-TP	3.18.0SP	
MPLS-TP MIB	3.18.0SP	
MPLS -TP: IP Less trace support (NodeId, LinkId)	3.18.0SP	
VPLS BGP Signaling	3.18.0SP	3.18.0SP
Y.1731 enhancements (On-demand & Concurrent support)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
MFI - VPLS BGP sig	3.18.0SP	3.18.0SP
Unicast Reverse Path Forwarding (uRPF) Loose mode	3.18.0SP	3.18.0SP
uRPF for IPv6 (Strict and Loose mode)	3.18.0SP	
IS-IS Support for BFD over IPv6	3.18.0SP	
QoS: CBQoS Management - Policy-to-Interface Mapping Support		
BGP PIC (edge & core) - for RFC-3107 labeled iBGP	3.18.0SP	3.18.0SP
QoS Classification based on EFP	3.18.0SP	3.18.0SP
BD and CFM Protocol Based New CLI Model	3.18.0SP	3.18.0SP
Offloading IPv4 Async BFD sessions with 3.3ms timers	3.18.0SP	3.18.0SP
QoS: Global CLI for CoS to EXP table mapping	3.18.0SP	
L2VPN Protocol Base CLIs	3.18.0SP	
MPLS -TP: Linear Protection/PSC support	3.18.0SP	
QoS support for dataplane loopback for EFP	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
BFD Debug Enhancement	3.18.0SP	3.18.0SP
BFD Deterministic Hardware Offload	3.18.0SP	3.18.0SP
Remote LFA FRR and labeled BGP FRR integration	3.18.0SP	3.18.0SP
Pseudowire Group Switchover	3.18.0SP	3.18.0SP
Auto-IP	3.18.0SP	3.18.0SP
TCAM threshold based alarms	3.18.0SP	
Secure Boot Support	3.18.0SP	3.18.0SP
VPLS over remote LFA	3.18.0SP	
Autoroute announce and forwarding adjacencies for OSPFv3 over IPv4 TE tunnels	3.18.0SP	
Control Plane Security (CoPP)	3.18.0SP	
REP-AG Enhancements	3.18.0SP	
Prefix Independent Convergence with Fast Re-Route Over Bridge Domain Interface	3.18.0SP	3.18.0SP
Routed Pseudo-Wire and Routed VPLS	3.18.0SP	16.6.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
WAN mode support	3.18.0SP	
CFM Support for Cylon ASIC with integrated OAM HW offload	3.18.0SP	3.18.0SP
SSO - BFD	3.18.0SP	3.18.0SP
PIM DR Loadbalancing	3.18.0SP	
PTP-SYNCE on 10G interface in WANPHY mode	3.18.0SP	3.18.0SP
eCPU & FPGA stats	3.18.0SP	NA
EFP policers without Ingress TCAM consumption	3.18.0SP	NA
Enhanced Tracking Support / Enhanced Object Tracking / EOT	3.18.0SP	
Source Specific Multicast (SSM) Mapping	3.18.0SP	3.18.0SP
DAI (Dynamic ARP Inspection)	3.18.0SP	
EVC QoS	3.18.0SP	3.18.0SP
Field Programmable Device Upgrade Tool	3.18.0SP	3.18.0SP
Virtual Private LAN Services (VPLS)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
IS-IS Support for BFD over IPv4	3.18.0SP	3.18.0SP
OSPF Support for BFD over IPv4	3.18.0SP	3.18.0SP
Access Switch Device Manager (SDM) Template - Default	3.18.0SP	NA
Access Switch Device Manager (SDM) Template - IP & Video	3.18.0SP	NA
MQC - Multi-Level Priority Queue	3.18.0SP	3.18.0SP
BFD Echo Mode	3.18.0SP	
IS-IS - MPLS LDP Autoconfiguration	3.18.0SP	3.18.0SP
VPLS Autodiscovery, BGP based	3.18.0SP	3.18.0SP
LACP 1-1 redundancy with fast switchover	3.18.0SP	3.18.0SP
Multichassis LACP (mLACP)	3.18.0SP	16.5.1
BGP Support for BFD	3.18.0SP	3.18.0SP
CISL - SNMP Support		3.18.0SP
4293 IP-MIB (IPv6 only) and RFC 4292 IP-FORWARD-MIB (IPv6 only)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
H-VPLS N-PE Redundancy for MPLS Access	3.18.0SP	3.18.0SP
Label Switched Multicast (LSM) Multicast Label Distribution Protocol (mLDP) based Multicast VPN (mVPN) support	3.18.0SP	16.5.1
VPLS MAC Address Withdrawal	3.18.0SP	3.18.0SP
MPLS TE - Bundled Interface Support (EtherChannel and MLP)	3.18.0SP	
MAC Address Limiting on Service Instance / Bridge Domain	3.18.0SP	
L2 ACL on Service Instance on Port-channel	3.18.0SP	3.18.0SP
MAC Address Security for EVC Bridge-Domain	3.18.0SP	16.5.1
Qos EVC Push Rewrite	3.18.0SP	3.18.0SP
Label Switched Multicast Point-to-Multipoint Traffic Engineering	3.18.0SP	
NSR - LDP Support	3.18.0SP	
Hop-by-Hop BC in a ring with master/slave role reversal	3.18.0SP	
BGP PIC Edge/Core VPNv6	3.18.0SP	
ACL - ICMP Code	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
DHCP Server v6	3.18.0SP	
IPv6 DHCP Client	3.18.0SP	
IKE Security Protocol		3.18.0SP
IPSec Triple DES Encryption (3DES)		3.18.0SP
Encrypted Pre-shared Key		3.18.0SP
Advanced Encryption Standard (AES)		3.18.0SP
IKE Mode Configuration		3.18.0SP
Multicast Source Discovery Protocol (MSDP)	3.18.0SP	
MPLS OAM Support for Multisegment Pseudowires	3.18.0SP	3.18.0SP
Static MAC binding to EVCs and Psuedowires	3.18.0SP	3.18.0SP
BGP PIC Edge for IP/MPLS	3.18.0SP	3.18.0SP
GNSS reciever support	NA	3.18.0SP
UniDirectional Link Detection (UDLD)	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Policy-Based Routing (PBR)	3.18.0SP	
PTP Hybrid BMCA	3.18.0SP	3.18.0SP
QoS Priority Propagation in Multi-level Scheduler	3.18.0SP	
IEEE 802.1Q Custom Ethertype	3.18.0SP	3.18.0SP
VRRPv3 High Scale	3.18.0SP	
Hierarchical Color-Aware Policing	3.18.0SP	
8 path ECMP	3.18.0SP	
Support sending PW Grouping ID TLV	3.18.0SP	
Image Signing	3.18.0SP	3.18.0SP
Priority Queing - Shaper support	3.18.0SP	3.18.0SP
Segment Routing - ISIS v4 node SID	3.18.0SP	
Phase profile G8275.1	3.18.0SP	3.18.0SP
Phase profile G8273.2	3.18.0SP	3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
FlexLSP base functionality	3.18.0SP	3.18.0SP
VLAN Scale Convergence	3.18.0SP	
Ethernet Fault Detection	3.18.0SP	
Qos Support for VLAN Translation	3.18.0SP	
CFM over CVLAN	3.18.0SP	
MLDP Extranet	3.18.0SP	
MPLS-TE over BDI	3.18.0SP	
L3 Security ACL for EVC support	3.18.0SP	
IPV6 MVPN with MLDP	3.18.0SP	16.5.1
BGP PIC + TE	3.18.0SP	
Discard class based WRED		3.18.0SP
Netflow with EFP support	3.18.0SP	
PPPoE Intermediate Agent	3.18.0SP	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Asymmetric EFP	3.18.0SP	
EVPN VPWS	3.18.0SP	
Ethernet loopback for untagged/default	3.18.0SP	
8K EFP per box (rsp3) + 4K EFP per port		3.18.0SP
OTN Wrapper on Ethernet cards: 2x10GE, 1x10G+8x1G		3.18.0SP
Differential clock recovery on 9xOCn IM interfaces		3.18.0SP
Differential clock recovery on DSx interfaces		3.18.0SP
APS support on 9xOCn IM		3.18.0SP
MQC - Hierarchical Service-Policy Map Infrastructure		3.18.0SP
Evolved Manageability Data Model Mapping and Infrastructure Support on RSP2	3.18.0SP	
Evolved Manageability Additional Data Model Mapping Infrastructure and Platform Support	3.18.0SP	
L2VPN over IP/MPLS support		3.18.0SP
SONET support on 9xOCn IM		3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
DS1 support on 48 port DS1/E1 IM		3.18.0SP
DS3 support on 48 port DS3 IM		3.18.0SP
QoS support on CEMoMPLS		3.18.0SP
Circuit emulation support on 48xDS1/E1 IM		3.18.0SP
Loopback and BERT support on DSx IMs		3.18.0SP
Circuit emulation support on 9xOCn IM		3.18.0SP
Circuit emulation support on 48 port DS3/E3 IM		3.18.0SP
Adaptive clock recovery on 9xOCn IM interfaces		3.18.0SP
Adaptive clock recovery support on DSx interfaces		3.18.0SP
DS3 Channelization		3.18.0SP
OTN Wrapper on Combo Ethernet card:1x10GE + 8 GE		3.18.0SP
DS3 MDL support		3.18.0SP
ONS pluggable optics support on OCn interfaces		3.18.0SP

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Alarm history and TL1 timestamping on OCn interfaces		3.18.0SP
Qos LACP Activ/Standby		3.18.0SP
PW Redundancy with Uni-directional Active-Active	3.18.0SP	
G.8275.1		3.18.1SP
WAN Phy		3.18.1SP
VPLS with BDI/PC		3.18.1SP
G.8275.2	16.5.1	16.5.1
IPv6 QoS		16.5.1
FAT Pseudowire		16.5.1
PVST/RPVST	16.5.1	
1G on 8x10G IM		16.5.1
100G IM OTN		16.5.1
Flex LSP Phase-2	16.5.1	16.5.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
UPSR		16.5.1
Two Level PHB scheduling at egress		16.5.1
5G XFI		16.5.1
AINS Phase 1		16.5.1
E1 support on T1E1 card		16.5.1
E3 support on T3E3 card		16.5.1
VPLS Over BDI/PC	16.5.1	16.5.1
System clock at 1.4MHz		16.5.1
TWAMP with VRF support	16.5.1	
1mHz Bandwidth settings with GNSS Enabled		16.5.1
mVPN-GRE over Physical Interface & BDI		16.6.1
16K EFP Support		16.6.1
Active / Active QoS		16.6.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
AINS	16.11.1	16.6.1
ISIS Segment Routing enhancement - TI LFA FRR, SR-LDP interworking, Adj SID		16.6.1
FMEA		16.6.1
DS1/DS3_1:1_Card_Protection		16.6.1
PTP BC Holdover Improvement in Double failure scenarios	16.6.1	16.6.1
SDH Support on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE		16.6.1
SDH MSP on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE		16.6.1
SDH SNCP on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE		16.6.1
DCC Support on 1-port OC-192 Interface module or 8-port Low Rate Interface Module (ASR 900 Combo 8 port SFP GE and 1 port 10GE		16.6.1
Split Horizon Scale Improvements		16.6.1
VPLS FRR		16.6.1
Fat PW		16.6.1
Segment Routing TE Feature	16.6.1	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
TWAMP mpls support on RSP3		16.6.1
Auto-BW tunnels		16.6.1
MEF OpNID/Latching Loopback	16.7.1	
L2CP protocol for forward/discard at EVC (MRP, MMRP, MVRP)	16.7.1	
5G SDH		16.7.1
Card Protection		16.7.1
Mac Limit		16.7.1
CESoP For High Density CEM Ims		16.7.1
VLAN on Trunk EFP	16.7.1	
1-port OC481/ STM-16 or 4-port OC-12/OC-3 / STM-1/STM-4 + 12-Port T1/E1 + 4-Port T3/E3 CEM Interface Module 3G card	16.7.1	
8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) Interface Module Support		16.7.1
EVC Filtering		16.7.1
SADT - FPGA Support		16.7.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
BFD suport on IPv6		16.7.1
Increase ingress classification to 2K		16.7.1
Backup PW on VPLS		16.8.1
DS3 CEP		16.8.1
Far end PMON		16.8.1
Alarm consolidation		16.8.1
TDM Remote loopback		16.8.1
Framed DS1 (SAToP)		16.8.1
2K Egress IPSLA classification		16.8.1
Multi EFP over single BD		16.8.1
LACP 10+10G (Active-Active) with EFP scale		16.8.1
3G MS - IP IW + HDLC		16.9.1
YANG model for RJIL		16.9.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
3G CEM LC support with RSP3 400G		16.9.1
IPv6 ACL: wildcard support		16.9.1
DCC Tunnelling		16.9.1
CoPP - Control Plane Policing		16.9.1
Dying Gasp Enhancements - RSP3		16.9.1
3G MS - IP IW + PPP		16.9.1
MPLS (RFC3107) ECMP over TE-FRR NextHops		16.9.1
VPLS + FAT PW		16.9.1
7 SR-TE label support on ASR 900 RSP3		16.11.1
BFD for static routing and BGP, on both Global Routing Table and VRF Routing Tables		16.11.1
BGP: Same label is not getting allocated to VPNv4 route		16.11.1
SR-TE: Affinity constraints for ODN	16.11.1	16.11.1
SR-TE ODN Color Extended Community (L3VPN)	16.11.1	16.11.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
VPNv4 - lower the convergence time		16.11.1
BDI stats		16.11.1
Strom control on PC		16.11.1
L3 POS termination for 3G MS IM with RSP3		16.11.1
L2CP Xconnect Hardware Switching		16.11.1
IP SLA for Pseudowire	16.11.1	
NETCONF/RESTCONF service level ACLs	16.11.1	16.11.1
MPLS TE: Newer SR-TE Policy CLI	16.11.1	16.11.1
IP SLA v2 UDP Jitter probe / responder with HW timestamp		16.11.1
RSP3 - Generic Routing Encapsulation (GRE) - RFC 2784	16.11.1	
COPP	16.11.1	
Video Template - IPv4 QoS classification - Scalability Increase	16.11.1	
Enhancement - Micro BFD	16.11.1	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Non-Revertive and 5-Tuple Hashing option for LACP/LAG Interfaces		16.12.1
SR - uLoop Avoidance - RSP 3		16.12.1
BITS Frammer Software Support for ASR920, ASR900, NCS 4200		16.12.1
RSP3 - L3VPN Conditional Marking		16.12.1
3rd Party SFP Support	16.12.1	16.12.1
RSP3: Per BDI MTU tuning		16.12.1
PW Scale Increase 21,504		16.12.1
ASR 900 Combo 8-Port SFP GE and 1-Port 10 GE 20G Interface Module		16.12.1
Short Pipe Mode QoS		16.12.1
IMA-3G-IMSG support with RSP3-200		16.12.1
1:1 Card Protection support for STS1e Port Type on A900-IMA48T-C / NCS4200-48T3E3-CE		17.1.1
Alarm Manager Handling		17.1.1
ASR903 LDP-BGP Tracking		17.1.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Configurable OH Accounting for 4201/4202/RSP2		17.1.1
DSCP Preservation of MLDP traffic for Tag to IP case		17.1.1
Flow Control for A900-IMA8CS1Z-M 18x1GE Mode		17.1.1
gRPC Network Management Interface (gNMI)	17.1.1	17.1.1
Lawful Intercept		17.1.1
Model Driven Telemetry - gNMI Dial	17.1.1	17.1.1
MS - IPv4 IW + MLPP		17.1.1
MS - IPv6 IW + MLPP		17.1.1
MS - IPv6 IW + PPP		17.1.1
MS - IPv6 IW + PPP + ACR		17.1.1
Multi-chassis LAG/mLACP for L3VPN		17.1.1
On-change notifications for BGP Peers - Configured/Established		17.1.1
ONS 10G I-temp support		17.1.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
PTP Multi-Profile Support On ASR903 and ASR920		17.1.1
RSP3 - TWAMP responder with IPv6 in global as well as inside the VRF		17.1.1
Low-Latency Network Slice (PCE Delegated) - Configurable Link Delay Value + Flooding in ISIS / BGP-LS - ASR 900 / RSP2	17.1.1	17.1.1
EVPN (ELAN) L2 Gateway - RFC 7432 (Single-Homing) - ASR 900 / RSP3		17.1.1
L2VPN (VPWS+VPLS) and EVPN VPWS (Single-Homing) over SR - ASR 900 / RSP2	17.1.1	17.1.1
TLS for gRPC Dial-Out	17.1.1	17.1.1
Transceiver AINS		17.1.1
Traps and Performance MIBs for GNSS		17.1.1
SR-TE ODN Color Extended Community (L3VPN) - ASR 900 / RSP2	17.1.1	
MPLS TE: Newer SR-TE Policy CLI	17.1.1	17.1.1
MS - IPv4 IW + MLPP + ACR		17.3.1
MS - IPv6 IW + MLPP + ACR		17.3.1
ONS-SI-GE-EX and ONS-SI-GE-LX support on 8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1		17.3.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
SR: PM: Delay measurement using RFC5357 (TWAMP Light) encoding (SW punt path timestamp) - ASR 900 / RSP3		17.3.1
Native Multicast SLA Measurement on ASR903	17.3.1	17.3.1
On-change notifications for LAG/LACP - Configured/Established		17.3.1
On-change notifications for TLDP - Configured/Established		17.3.1
On-change notifications for Interface (including tunnels) state - Configured/Up		17.3.1
ASR900/NCS4200 1x10G + 8xLowRate (LR) Circuit Emulation (CEM) / Multiservice Gateway (iMSG) line card feature		17.3.1
SRTE: PM: Sampled One-way End to End Delay (SR-Policy) Measurement - ASR 900 / RSP3		17.3.1
Pseudowire Termination (VC Type11) Interworking Feature VLAN Handoff		17.3.1
Interworking support for nxDSO on ASR90x family		17.3.1
DCC and DCC Tunneling		17.3.1
5376 ACR/DCR Scale on OCx IM		17.3.1
SyncE yang module Telemetry integration		17.3.1
Aggregated Interface Stats on Bundle for RSP3		17.3.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Aggregated Interface Stats on Bundle for RSP2/920	17.3.1	
SRTE: PM: Sampled One-way End to End Delay (SR-Policy) Measurement - ASR 900 / RSP2	17.3.1	
SR: PM: Delay measurement using RFC5357 (TWAMP Light) encoding (SW punt path timestamp) - ASR 900 / RSP2	17.3.1	
SR-Services: EVPN (ELAN) L2 Gateway - RFC 7432 (Single-Homing) - ASR900 / RSP2	17.3.1	17.3.1
Conditional COS Marking per EVC		17.3.1
SRTE: ISIS Flex Algo (Ph1): Metric minimization, avoidance, multi-plane, delay metric w/ rounding, Inter-Area - ASR 900 / RSP3		17.3.1
Remote SPAN (RSPAN)		17.3.1
SRTE: Per-Flow (Class) ODN and Automated Steering (IPv4 GRT + L3VPN-VPNv4 Services Steering) - ASR 900 / RSP3		17.3.1
SRTE: Static route traffic steering using SRTE Policy	17.3.1	17.3.1
SRTE: Per-Flow (Class) ODN and Automated Steering (IPv4 GRT + L3VPN-VPNv4/v6 Services Steering) - ASR 900 / RSP2	17.3.1	
SRTE: ISIS Flex Algo (Ph1): Metric minimization, avoidance, multi-plane, delay metric w/ rounding, Inter-Area - ASR 900 / RSP2	17.3.1	
KGV E2E Solutions	17.3.1	17.3.1
SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - ASR 900 / RSP3		17.3.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Static PW over P2MP	17.3.1	
Telemetry for GNSS module on ASR903		17.3.1
Pseudowire Scale Support		17.3.1
Full alarm profile phase 2/3		17.3.1
TWS - 17.3.1 PSB compliance testing and Automation (SP Access)	17.3.1	17.3.1
BFD Dampening	17.3.1	
Micro BFD on Link Aggregation Group (LAG) Interfaces - RFC7130	16.11.1	16.9.1
SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP2 SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP2 -	17.4.1	
Increase Maximum MTU Size (>9600 bytes)		17.4.1
VLAN Translation for RSP3		17.4.1
On-change notifications for IS-IS state - Configured/Adjacency	17.4.1	17.4.1
SRTE: ISIS Flex-Algo (Ph2): TI LFA + uLoop Avoidance + SID Leaking + ODN w/ Auto-Steering - ASR 900 / RSP3		17.4.1
SRTE: ISIS Flex-Algo (Ph2): TI LFA + uLoop Avoidance + SID Leaking + ODN w/ Auto-Steering - ASR 900 / RSP2	17.4.1	

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Segment Routing Flexible Algorithm support for TI-LFA uLoop Avoidance, SID Leaking, and ODN with Auto-Steering - ASR 900 /		17.4.1
Segment Routing Flexible Algorithm support for TI-LFA uLoop Avoidance, SID Leaking, and ODN with Auto-Steering - ASR 900 /	17.4.1	
SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - ASR 900 / RSP3 SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - OSPF		17.4.1
SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - ASR 900 / RSP2	17.4.1	
Multicast SLA Measurment with MLDP		17.4.1
SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP2	17.4.1	
SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - ASR 900 / RSP3		17.4.1
Convergence enhancements for L3VPN Traffic over BGP PIC Edge		17.4.1
Bert Error Injection		17.4.1
STS1E Framed SAToP Support on IMA3G		17.4.1
Support for all 0s and 1s BERT Patterns		17.4.1
CEM and IP IW Feature Parity for A900-IMA1Z8S-CXMS / NCS4200-1T8S-20CS and A900-IMA3G-IMSG / NCS4200-3GMS Interface		17.4.1
Complete YANG Model for CFM Configuration	17.4.1	17.4.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Complete YANG Model for Ethernet EVC Configuration	17.4.1	17.4.1
MAC Security on A900-IMA8CS1Z-M IM with RSP3		17.5.1
On-change notifications for L2 VPN Psuedo Wire - Configured/Established	17.5.1	17.5.1
SR: EVPN IRB (L2+L3 Anycast GW) + DCI/BL (Single-Homing) - ASR903-RSP2	17.5.1	
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence		17.5.1
SRTE: PM: Liveness of SR Policy endpoint + SR-PM Delay deduction (loopback Mode) + SR-Policy w/ PM Liveness on all candidate-paths -	17.5.1	17.5.1
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence	17.5.1	
Complete YANG Model for l2vpn xconnect	17.5.1	17.5.1
Complete YANG Model for Pseudowire Interface Configuration	17.5.1	17.5.1
SRTE: OSPF Flex Algo (Ph1): : Metric minimization + avoidance + multi-plane + delay metric w/ rounding + Inter-Area + ODN w/ Auto-	17.5.1	17.5.1
IP Address Range-Based Filtering Support for CoPP ACL		17.5.1
RSP-based Non-intrusive Monitor ports		17.5.1
GR-820-CORE Performance Monitoring	17.5.1	17.5.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Support for Static MPLS Labels on Cisco RSP3 Module		17.5.1
CFM sessions Hardware offload - RSP3		17.5.1
Increase NCS 4200 QoS Service-Policy Scale		17.5.1
TWAMP Light	17.5.1	
IP Address Range-Based Filtering Support for CoPP ACL-RSP2	17.5.1	
CFM sessions HW offload - RSP2	17.5.1	
Increase NCS 4200 QoS Service-Policy Scale-RSP2	17.5.1	
SRTE: SR Policy Counters - ASR 900 / RSP3		17.5.1
SRTE: SR Policy Counters - ASR 900 / RSP2	17.5.1	17.5.1
SRTE: ECMP over SRTE ASR 903 / RSP3		17.5.1
MLPPP IP Termination on Serial Physical and Logical Interfaces		17.5.1
High Density DS1 Panel for CEM		17.5.1
ISIS Flexible Algorithm Include Affinity support	17.6.1	17.6.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence	17.6.1	17.6.1
Remote LFA for MLDP	17.6.1	17.6.1
SRTE: OSPF Flex-Algo (Ph2): TI LFA	17.6.1	17.6.1
Test Access Port (TAP/TAD)		17.6.1
G.8032 Support on dot1q EFPs		17.6.1
Ingress + Egress Flexible NetFlow	17.6.1	
YANG Model support for show mpls tr tunnel command	17.6.1	17.6.1
YANG Model Support for RSVP Commands	17.6.1	17.6.1
YANG Model Support for IPSLA Operating Model for Y1731	17.6.1	17.6.1
Yang: Native: Oper model support for "sh mpls ldp neighbor"	17.6.1	17.6.1
YANG Model support for QoS Overhead Accounting	17.6.1	
YANG Model support for alarm profile configurations	17.6.1	17.6.1
YANG Model Support for Shared Risk Link Groups (SRLG) Group Identification (GID) configurations	17.6.1	17.6.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Micro BFD over LAG convergence optimization		17.6.1
802.1ae WAN MacSec for 1GE and 10GE A900-IMA8CS1Z-M		17.6.1
DHCP relay v4/v6 (in same VRF)SR: EVPN IRB (L2+L3 Anycast GW) + DCI/BL (Single-Homing)	17.6.1	
Stitching of subnet route from EVPN to L3VPN	17.6.1	
SR-PCE: Enabling SR-PM delay/liveness for PCE-Initiated policies	17.6.1	17.6.1
SR-PCE: PCE Initiated SR Policy + ISIS Autoroute - ASR 900 / RSP 2 and RSP3	17.7.1	17.7.1
Need support for EFP with untagged+VLAN range or list on RSP3		17.7.1
On RSP3, need to support increased MPLS label scale from 32k to 40k		17.7.1
YANG - Oper Model - complete Y1564 Service Performance probe statistics	17.7.1	17.7.1
SR with OSPF P2MP NB mode		17.7.1
Customer requires number format for MA name rather than a string format on RSP2	17.7.1	
Celeborn card Support in additional Slots in NCS4206		17.7.1
Monitor/Split TAP Enhancements		17.7.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Inter-cos bursting support on ASR903-RSP3		17.7.1
Default Smart Licensing enablement - ASR90x/ASR920/NCS520	17.7.1	
Multicast SLA Measurement with Telemetry on ASR903	17.7.1	
FR Support for IP Interworking on Eomer/Elboron IM		17.8.1
CAS feature to do Superframe to Extended Superframe conversion		17.8.1
DS0 Loopbacks - Network and Local		17.8.1
Y1564 Policer Policy Test Enhancement		17.8.1
Latching Loopback Support (per MEF 46) for RSP3		17.8.1
EDPL on Bundle Interface	17.8.1	
Long Service name	17.8.1	17.8.1
Support Y1564 and EDPL on dot1ad for RSP3		17.8.1
ORF Support for BGP Labeled Unicast		17.8.1
Bi-Directional Multicast Support on RSP3		17.8.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Support for N560-IMA8Q/4L on ASR903		17.8.1
Customer requires number format for MA name rather than a string format on RSP3		17.8.1
10G MACSEC support with N560-IMA8Q/4L on ASR907		17.8.1
UCMP		17.8.1
Default Smart Licensing enablement Phase 2 - ASR90x/ASR920/NCS520	17.8.1	17.8.1
YANG - dot1ad is not supported in "rewrite ingress tag push"	17.8.1	17.8.1
Increase Maximum MTU Size (>9600 bytes)	17.8.1	
WAN MACsec for Celeborn phase 2		17.8.1
L2CP feature needs to be enhanced to include more addresses/protocols	17.9.1	17.9.1
[SVSP-247] Y1731 packets bypassing software QoS queues on NNI link	17.9.1	
QoS support for Serial Interfaces (HDLC/PPP) on IMA3G-IMSG line card		17.9.1
Flex-LSP co-routed tunnel inter-area support	17.9.1	17.9.1
MS - IPv6 IW + MLPPP		17.9.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
The YANG model for service-group needs to be supported.	17.9.1	
PSB baseline testing (SP Access)	17.9.1	17.9.1
Custom Idle Pattern/Trunk Conditioning	17.9.1	17.9.1
Hitless switching		17.9.1
Interface Bandwidth persistent across triggers		17.9.1
MVPN Bidir support		17.9.1
LSR support over Autoroute-Announce SR Policies with 3 or 4 labels		17.9.1
BGP PIC over Short LCM policies		17.9.1
SNMP DG with MPLS-TE	17.9.1	17.9.1
Validation of IPV6 support as per " new RFC8200 Spec"	17.10.1	17.10.1
Up to 4x Priority Queues, with more than one PW per Level		17.10.1
YANG - Support for L2VPN Oper models	17.10.1	17.10.1
Command Needed to Force PW up when AC is Down	17.10.1	17.10.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Need support for disabling/enabling gratuitous ARP	17.10.1	17.10.1
Support for Tagged LLDP Packets	17.10.1	17.10.1
QoS support for Serial Interfaces (MLPPP) on IMA3G-IMSG line card		17.10.1
MLFR support for IP interworking	17.10.1	17.10.1
Nodes should clear all user files from bootflash during factory reset (No Service password-recovery feature)	17.10.1	17.10.1
MACsec support on 1G & 10G links together with SyncE on A900-IMA8CS1Z-M IM		17.10.1
Enabling DHCP option 82 and avoiding CSCvt83520		17.10.1
FR Support for IP Interworking on A900-IMA3G-IMSG IM/A900-IMA1Z8S-CXMS IM	17.10.1	
To enable telemetry based collection	17.10.1	17.10.1
EFPs on port channel with ingress policy scalability		17.10.1
BGP aggregate-address not showing in advertised routes when BGP LU is configured	17.10.1	17.10.1
Y1564 - SADT: Enhancement to resolve loss in observed throughput	17.10.1	17.10.1
System CESoP NxDSO BERT	17.11.1	17.11.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
Support for 3-in-24 BERT Patterns	17.11.1	17.11.1
Micro BFD Support on Port Channel with EFPs		17.11.1
gNMI Dial-Out Using gRPC Tunnel Service	17.11.1	17.11.1
YANG Support for show l2vpn atom vc detail Command	17.11.1	17.11.1
Frame Relay Port Mode	17.11.1	17.11.1
Layer 3 Termination on Frame Relay Serial Interfaces	17.11.1	17.11.1
NTP Support for IPv6 Networks	17.11.1	17.11.1
No License Snapshot Support	17.11.1	17.11.1
CLNP interworking between different L2 medias using pseudowires for 3		17.12.1
BGP PIC Support with CEM (Fast failover)	17.12.1	17.12.1
MACsec + PTP + SyncE support on 1G & 10G links simultaneously on Celeborn IM (A900-IMA8CS1Z-M)		17.12.1
Track with EFP for convergence optimization	17.12.1	17.12.1
Support PIM-SM with mLDP profile 14 with single ingress PE and strict-RFP disabled on ASR 900 RSP3		17.12.1

Feature Compatibility Matrix for the Cisco NCS 4206-16 Series Network Convergence System Routers

Feature Name	NCS 4206-RSP2	NCS 4206/16-RSP3
	Supported Release	Supported Release
CEM Description		17.12.1

Legend:

Blank Cells indicate the feature is not supported in a release yet.

NA indicates that the feature will not be supported on that platform.

