Cisco Network Convergence System Routers
NCS 4201-02 Series
Feature Compatibility Matrix

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Text Part Number: NA

Feature Name	Cisco NCS4201-SA, NCS4202-SA
	Supported Release
Egress Policing on Non Priority Queues	3.18.0SP
Synchronous Ethernet (SyncE): ESMC & SSM	3.18.0SP
Provide option to enable/disable USB	3.18.0SP
syslog and trigger support for external alarm	3.18.0SP
Support for IEEE 1588-2008 Precision Clock Synchronization Protocol	3.18.0SP
REP Configurable Timers aka REP Fast Hellos	3.18.0SP
QoS Packet Marking	3.18.0SP
1588-2008 Boundary Clock	3.18.0SP
Hot Standby Pseudowire Support for Ethernet	3.18.0SP
RMON Full	3.18.0SP
Y.1731 Performance Monitoring	3.18.0SP
Y.1731 Performance Monitoring (Xconnect & Port-Channel Support)	3.18.0SP
Punt Policing and Monitoring	3.18.0SP
Multi-protocol BGP (MP-BGP) - MPLS VPN	3.18.0SP
Embedded Event Manager (EEM) 4.0	3.18.0SP
ITU-T G.8032 Ethernet Ring Protection Switching	3.18.0SP
Temperature and Voltage Monitoring	3.18.0SP
Egress policing and marking	3.18.0SP
1588 PTP Best Master Clock Algorithm (BMCA) a.k.a. PTP Redundancy	3.18.0SP

Feature Name	Cisco NCS4201-SA, NCS4202-SA
IPv6 Routing: IS-IS Support for IPv6	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
N:1 PVC mapping to PWE with non-unique VPI	3.18.0SP
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy)	3.18.0SP
E-OAM - CFM CCM Hardware Offload (802.1ag within ms accuracy) support fpr Xonnect & BD Up MEP	3.18.0SP
IPv4 unicast routing support	3.18.0SP
QoS Support	3.18.0SP
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
Port-Shaper and LLQ in the presence of EFPs	3.18.0SP
match any classification	3.18.0SP
IEEE BMCA	3.18.0SP
QoS ACLs	3.18.0SP
IGMP Snooping on EFP	3.18.0SP
IGMP Snooping on Trunk EFP	3.18.0SP
IGMP Snooping on Port Channel	3.18.0SP
IGMP State Limit	3.18.0SP
L2VPN Protocol Based CLI	3.18.0SP
Storm Control	3.18.0SP
Ethernet Data Plane Loopback (with MAC swap)	3.18.0SP
G.8032 and CFM support for Microwave Adaptive Bandwidth	3.18.0SP
Synthetic Frame Loss Measurement (ETH-SLM)	3.18.0SP
IPSLA Support for ETH-SLM (Ethernet Synthetic Loss Measurement in Y1731)	3.18.0SP
Switch Port Analyzer (SPAN)	3.18.0SP

Feature Name	Cisco NCS4201-SA, NCS4202-SA
Hybrid Clocking Support	3.18.0SP
Time of Day Selection	3.18.0SP
EVC & BD MIB support for trunk EFP	3.18.0SP
Ethernet Data-Plane Loopback - Route port support & HA	3.18.0SP
Trunk EFP Support on Ether-Channel Interfaces	3.18.0SP
Egress default queue limit improvement and percent bandwidth support	3.18.0SP
1588 BC over MPLS	3.18.0SP
ITU-T Telecom Profile G.8265.1	3.18.0SP
IEEE 802.3ad Link Aggregation (LACP)	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
IP FRR/Remote LFA FRR with L2VPN	3.18.0SP
EVC Default Encapsulation for QinQ & xconnect	3.18.0SP
E-OAM: Multi UNI MEP in the same VPN	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
BGP GSHUT enhancement	3.18.0SP
BGP Monitoring Protocol	3.18.0SP
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
Multi-Topology BGP with VRF enhancement	3.18.0SP
ISIS local microloop protection	3.18.0SP
Autonomic Networking: Certificate Management	3.18.0SP
IP tunnel: Antonomic Networking Support	3.18.0SP
AutoInstall Using DHCP for LAN Interfaces	3.18.0SP

Feature Name	Cisco NCS4201-SA, NCS4202-SA
IP SLA - Service Performance Testing Infrastructure	3.18.0SP
MPLS Traffic Engineering (TE) - Fast Reroute (FRR) Link and Node Protection	3.18.0SP
BGP - Accumulated IGP	3.18.0SP
802.1ad	3.18.0SP
TWAMP RFC complaince	3.18.0SP
Table Map	3.18.0SP
G.8032 (3.3 ms CCM)	3.18.0SP
IEEE 802.1p Support	3.18.0SP
IP FRR over BDI	3.18.0SP
NTP Timestamping	3.18.0SP
Smart Licensing with HA Support	3.18.0SP
IPv6 Routing: OSPF for IPv6 (OSPFv3)	3.18.0SP
Remote SPAN (RSPAN)	3.18.0SP
DHCP Snooping	3.18.0SP
BFD over TDM Routed	3.18.0SP
L2PT - Layer 2 Protocol Tunneling	3.18.0SP
Secure Shell SSH Version 2 Client Support	3.18.0SP
IPv6 QoS: MQC Packet Classification	3.18.0SP
IPv6 Routing: Static Routing	3.18.0SP
IPv6 Switching: CEF/dCEF Support	3.18.0SP
SNMP over IPv6	3.18.0SP
PIM Version 2	3.18.0SP
BFD Support for Multicast(PIM)	3.18.0SP
Class-based QoS MIB	3.18.0SP
MPLS (Multiprotocol Label Switching)	3.18.0SP
CDP (Cisco Discovery Protocol) Version 2	3.18.0SP
IPv6 VPN over MPLS (6VPE)	3.18.0SP
EVC Local Connect	3.18.0SP
IEEE 802.1Q VLAN Support	3.18.0SP

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
SNMPv3 (SNMP Version 3)	3.18.0SP
Configurable Per VLAN MAC Learning (PVL)	3.18.0SP
MPLS LDP - IGP Synchronization	3.18.0SP
Class Based Policing	3.18.0SP
Y.1731 DMMv1	3.18.0SP
RSVP - Resource Reservation Protocol	3.18.0SP
Remote Monitoring MIB Update	3.18.0SP
Class Based Weighted Fair Queuing (CBWFQ)	3.18.0SP
HSRP support	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
MPLS Forwarding Infrastructure Scalability	3.18.0SP
STP Syslog Messages	3.18.0SP
L2PT - Layer 2 Protocol Tunneling on Trunk Ports	3.18.0SP
IPv6 Routing: Unicast Routing	3.18.0SP
Diffserv Compliant WRED	3.18.0SP
BGP Support for TCP Path MTU Discovery per Session	3.18.0SP
Ethernet Connectivity Fault Management (E-CFM)	3.18.0SP
SNMP (Simple Network Management Protocol)	3.18.0SP
Support for dissimilar PHB match at Ingress and Egress for mpls/vpls interface.	3.18.0SP
MPLS VPN - Inter-Autonomous System Support	3.18.0SP
OSPF TTL Security Check	3.18.0SP
Ethernet Operations, Administration, and Maintenance (OAM)	3.18.0SP
Service Activation	3.18.0SP
Etherchannel Min-Links	3.18.0SP
IP 16-way Equal-Cost Multipath	3.18.0SP
RADIUS	3.18.0SP

Feature Name	Cisco NCS4201-SA, NCS4202-SA
Ethernet Local Management Interface (LMI) at Provider Edge (PE)	3.18.0SP
LMM Support for Smart SFP	3.18.0SP
DHCP Option 82 Configurable Circuit ID and Remote ID	3.18.0SP
MPLS Virtual Private Networks (VPN)	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
Interfaces MIB: SNMP context based access	3.18.0SP
IEEE 802.1ab LLDP (Link Layer Discovery Protocol)	3.18.0SP
Network Time Protocol (NTP)	3.18.0SP
EFP aware QoS	3.18.0SP
IEEE 802.1ag (CFM) Support on Port-Channel Interface	3.18.0SP
Secure Copy (SCP)	3.18.0SP
REP - (Resilient Ethernet Protocol)	3.18.0SP
1 rate 2 color per EVC policer	3.18.0SP
BFD - Static Route Support	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
EVC 2.0 - Advanced VLAN translations & service mapping based on 802.1ah	3.18.0SP
EVC MIB	3.18.0SP
Dual Rate Three Color Ingress Policer on Service Instances	3.18.0SP
MST on EVC Bridge-Domain	3.18.0SP
SLM Over VPLS	3.18.0SP
Port Based License - 12/1G Bundle	3.18.0SP
ACL- DSCP Matching	3.18.0SP
ACL - Source & Destination Address Matching	3.18.0SP
ACL - IP Protocol	3.18.0SP
Static MAC binding to EVCs and Psuedowires	3.18.0SP
IP SLAs TWAMP Responder v1.0	3.18.0SP

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
Modular QoS CLI (MQC)	3.18.0SP
CFM over EFP interface configured with xconnect	3.18.0SP
Resilient Ethernet Protocol-no-edge-neighbour-enhancement	3.18.0SP
Jumbo Frames	3.18.0SP
IP FRR	3.18.0SP
Synchronous Ethernet Support	3.18.0SP
CEM support on 8 port T1E1 IM	3.18.0SP
IPv6 Multicast: Multicast Listener Discovery (MLD) Protocol, Versions 1 and 2	3.18.0SP
IPv6 Multicast: PIM Sparse Mode (PIM-SM)	3.18.0SP
IPv6 Multicast: PIM Source-Specific Multicast (PIM-SSM)	3.18.0SP
IPv6 Multicast: PIM Embedded RP Support	3.18.0SP
IPv6 Multicast: PIM Accept Register	3.18.0SP
Fp init fails with Qos policies and with huge range of BD on TEFP	3.18.0SP
Set and police in the same class-map (Ingress and Egress)	3.18.0SP
Egress Port Level Policy with Ingress EFP Level Policy	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
BFD Support for HSRP	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

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BFD - BFD Hardware Offload Support	3.18.0SP
Kerberos V Client Support	3.18.0SP
Unicast Reverse Path Forwarding (uRPF)	3.18.0SP
CFM Extension for 1+1 Hot-Standby Support	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
Callhome V2 enhancements	3.18.0SP
Call Home V3	3.18.0SP
BGP - MP-iBGP NSR	3.18.0SP
Cisco-BGP-MIBv2	3.18.0SP
Trunk EFP support	3.18.0SP
MVPN	3.18.0SP
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
MFI -Extended LFA	3.18.0SP
MAC Limiting per VFI and BD	3.18.0SP
IEEE 802.3x Flow Control	3.18.0SP
CFM Support on Trunk EFP	3.18.0SP
Link Path Through	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
Y.1731 enhancements (On-demand & Concurrent support)	3.18.0SP
MFI - VPLS BGP sig	3.18.0SP
Unicast Reverse Path Forwarding (uRPF) Loose mode	3.18.0SP

Feature Name	Cisco NCS4201-SA, NCS4202-SA
uRPF for IPv6 (Strict and Loose mode)	3.18.0SP
IS-IS Support for BFD over IPv6	3.18.0SP
BGP PIC (edge & core) - for RFC-3107 labeled iBGP	3.18.0SP
QoS Classification based on EFP	3.18.0SP
BD and CFM Protocol Based New CLI Model	3.18.0SP
Offloading IPv4 Async BFD sessions with 3.3ms timers	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
BFD Debug Enhancement	3.18.0SP
BFD Deterministic Hardware Offload	3.18.0SP
Remote LFA FRR and labeled BGP FRR integration	3.18.0SP
Pseudowire Group Switchover	3.18.0SP
Auto-IP	3.18.0SP
TCAM threshold based alarms	3.18.0SP
Secure Boot Support	3.18.0SP
Autoroute announce and forwarding adjacencies for OSPFv3 over IPv4 TE tunnels	3.18.0SP
onePK SS: Policy	3.18.0SP
OnePK	3.18.0SP
Flexlink	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
Routed Pseudo-Wire and Routed VPLS	3.18.0SP
WAN mode support	3.18.0SP
CFM Support with integrated OAM HW offload	3.18.0SP
PTP-SYNCE on 10G interface in WANPHY mode	3.18.0SP
eCPU & FPGA stats	3.18.0SP

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
VRRP and LLDP MED support for ZTP (vLAN 127 Support)	3.18.0SP
EVC 2.0 - 802.1ad Provider Bridges Support	3.18.0SP
nV Access for ME1200	3.18.0SP
EFP policers without Ingress TCAM consumption	3.18.0SP
Enhanced Tracking Support / Enhanced Object Tracking / EOT	3.18.0SP
Source Specific Multicast (SSM) Mapping	3.18.0SP
DAI (Dynamic ARP Inspection)	3.18.0SP
Secure Shell SSH Version 2 Server Support	3.18.0SP
Field Programmable Device Upgrade Tool	3.18.0SP
Virtual Private LAN Services (VPLS)	3.18.0SP
IS-IS Support for BFD over IPv4	3.18.0SP
OSPF Support for BFD over IPv4	3.18.0SP
IPv6 SDM Template	3.18.0SP
Access Switch Device Manager (SDM) Template - Default	3.18.0SP
Access Switch Device Manager (SDM) Template - IP & Video	3.18.0SP
MQC - Multi-Level Priority Queue	3.18.0SP
BFD Echo Mode	3.18.0SP
IS-IS - MPLS LDP Autoconfiguration	3.18.0SP
VPLS Autodiscovery, BGP based	3.18.0SP
LACP 1-1 redundancy with fast switchover	3.18.0SP
Multichassis LACP (mLACP)	3.18.0SP
BGP Support for BFD	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
H-VPLS N-PE Redundancy for MPLS Access	3.18.0SP
Label Switched Multicast (LSM) Multicast Label Distribution Protocol (mLDP) based Multicast VPN (mVPN) support	3.18.0SP
VPLS MAC Address Withdrawal	3.18.0SP
Enhanced Ingress Hierarchical Policing	3.18.0SP
MPLS TE - Bundled Interface Support (EtherChannel and MLP)	3.18.0SP

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
MAC Address Limiting on Service Instance / Bridge Domain	3.18.0SP
L2 ACL on Service Instance on Port-channel	3.18.0SP
MAC Address Security for EVC Bridge-Domain	3.18.0SP
Qos EVC Push Rewrite	3.18.0SP
Label Switched Multicast Point-to-Multipoint Traffic Engineering	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
DHCP Server v6	3.18.0SP
IPv6 DHCP Client	3.18.0SP
Mutlicast Source Discovery Protocol (MSDP)	3.18.0SP
MPLS OAM Support for Multisegment Pseudowires	3.18.0SP
UniDirectional Link Detection (UDLD)	3.18.0SP
Policy-Based Routing (PBR)	3.18.0SP
PTP Hybrid BMCA	3.18.0SP
QoS Priority Propagation in Multi-level Scheduler	3.18.0SP
3G/4G USB Dongle Support	3.18.0SP
IEEE 802.1Q Custom Ethertype	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
Priority Queing - Shaper support	3.18.0SP
Segment Routing - ISIS v4 node SID	3.18.0SP
Phase profile G8275.1	3.18.0S
Phase profile G8273.2	3.18.0SP
FlexLSP base functionality	3.18.0SP
VLAN Scale Convergence	3.18.0SP
Ethernet Fault Detection	3.18.0SP
Qos Support for VLAN Translation	3.18.0SP

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
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
Flexi License	3.18.0SP
IPV6 MVPN with MLDP	3.18.0SP
Circuit Emulation over UDP	3.18.0SP
Netflow with EFP support	3.18.0SP
PPPoE Intermediate Agent	3.18.0SP
Asymmetric EFP	3.18.0SP
EVPN VPWS	3.18.0SP
Ethernet loopback for untagged/default	3.18.0SP
Larger String for EVC VLAN Encapsulation	3.18.0SP
G.8275.2	16.5.1
PVST/RPVST	16.5.1
Egress Shaping on MLPPP Bundle	16.5.1
Egress QoS Support on MLPPP Bundle (Strict Priority Queuing)	16.5.1
Flex LSP Phase-2	16.5.1
Adaptive Clock Recovery (ACR) for 8 T1/E1 - only for CEM over MPLS	16.5.1
10G SADT	16.5.1
VPLS Over BDI/PC	16.5.1
Static PW with OAM enabling Remote Port Shutdown	16.5.1
TWAMP with VRF support	16.5.1
FMEA	16.11.1
MEF OpNID/Latching Loopback	16.7.1
L2CP protocol for forward/discard at EVC (MRP, MMRP, MVRP)	16.7.1
VLAN on Trunk EFP	16.7.1
AIS support on IMS8D, IMA16D	16.7.1
Backup PW on VPLS	16.8.1
Support for multi-priority level queue	16.8.1

Feature Name	Cisco NCS4201-SA, NCS4202-SA
SDM Template for IPv6 L3 Classification	16.8.1
GigE UNI does not provide full throughput when VLAN tag is applied	16.11.1
CoS marking for locally originated packets	16.11.1
SR-TE: Affinity constraints for ODN	16.11.1
SR-TE ODN Color Extended Community (L3VPN)	17.1.1
IP SLA for Pseudowire	16.11.1
NETCONF/RESTCONF service level ACLs	16.11.1
BITS Framer Software Support for ASR920, ASR900, NCS 4200	16.12.1
SR - uLoop Avoidance - ASR 920	16.12.1
NCS 4201/4202: Y.1564 10G internal mode	16.12.1
DS1 Smart VCOP support on ASR920/NCS 4200	16.12.1
NCS 4200 is truncating delay stats in SNMP MIB for Y.1731	16.12.1
LDP-BGP Tracking	17.1.1
Configurable OH Accounting for 4201/4202/RSP2	17.1.1
gRPC Network Management Interface (gNMI)	17.1.1
Model Driven Telemetry - gNMI Dial-In	17.1.1
ONS 10G I-temp support	17.1.1
PTP Multi-Profile Support	17.1.1
SR: Low-Latency Network Slice (PCE Delegated) - Configurable Link Delay Value + Flooding in ISIS / BGP-LS - ASR 900 / RSP2	17.1.1
SR-Services: L2VPN (VPWS+VPLS) and EVPN VPWS (Single-Homing) over SR	17.1.1
SR-TE ODN Color Extended Community (L3VPN)	17.1.1
MPLS TE: Newer SR-TE Policy CLI	17.1.1
SyncE yang module Telemetry integration	17.3.1
Native Multicast SLA Measurement	17.3.1
Aggregated Interface Stats on Bundle	17.3.1
SRTE: PM: Sampled One-way End to End Delay (SR-Policy) Measurement	17.3.1
SR: PM: Delay measurement using RFC5357 (TWAMP Light) encoding (SW punt path timestamp)	17.3.1

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Feature Name	Cisco NCS4201-SA, NCS4202-SA
SR-Services: EVPN (ELAN) L2 Gateway - RFC 7432 (Single-Homing)	17.3.1
SRTE: Static route traffic steering using SRTE Policy	17.3.1
SRTE: Per-Flow (Class) ODN and Automated Steering (IPv4 GRT + L3VPN-VPNv4/v6 Services Steering)	17.3.1
SRTE: ISIS Flex Algo (Ph1): Metric minimization, avoidance, multi-plane, delay metric w/ rounding, Inter-Area	17.3.1
KGV E2E Solution - IOS XE Platforms	17.3.1
Static PW over P2MP	17.3.1
ASR920 IMA3G 1+1 OC3/12 single card APS support	17.3.1
TWS - 17.3.1 PSB compliance testing and Automation (SP Access)	17.3.1
BFD Dampening	17.3.1
On-change notifications for IS-IS state - Configured/Adjacency	17.4.1
STS1E Framed SAToP Support on IMA3G	17.4.1
SR-PCE: PCE Initiated SR Policy + OSPF Autoroute SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - OSPF SR-PCE: PCE Initiated SR Policy + OSPF Autoroute - SR Infra	17.4.1
SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) SR: PM: Telemetry MDT and EDT support for Performance Monitoring KPI (Yang Oper) - SR infra	17.4.1
SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path SRTE SRTE-Services: L2VPN (VPWS+VPLS) over SR-TE preferred-path - PD	17.4.1
Complete YANG Model for CFM Configuration	17.4.1
Complete YANG Model for Ethernet EVC Configuration	17.4.1
Multicast SLA Measurement with MLDP on ASR920	17.4.1
On-change notifications for L2 VPN Psuedo Wire - Configured/Established	17.5.1
SR: EVPN IRB (L2+L3 Anycast GW) + DCI/BL (Single-Homing) - -RSP2	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 - RSP2/RSP3	17.5.1

Feature Name	Cisco NCS4201-SA, NCS4202-SA
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergence on ASR920	17.5.1
Complete YANG Model for L2VPN Xconnect	17.5.1
Complete YANG Model for Pseudowire Interface Configuration	17.5.1
SRTE: OSPF Flex Algo (Ph1): : Metric minimization + avoidance + multi-plane + delay metric w/ rounding + Inter-Area + ODN w/ Auto-Steering - RSP3/ RSP2	17.5.1
GR-820-CORE Performance Monitoring	17.5.1
TWAMP Light	17.5.1
IP Address Range-Based Filtering Support for CoPP ACL-RSP2	17.5.1
CFM sessions Hardware Offload -RSP2	17.5.1
Increase QoS Service-Policy Scale-RSP2	17.5.1
SRTE: SR Policy Counters - RSP2	17.5.1
Unframed Framing Support on E1 and Channel STM links	17.5.1
MLPPP IP Termination on Serial Physical and Logical Interfaces	17.5.1
ISIS Flexible Algorithm Include Affinity support	17.6.1
T1 Framed SAToP support for Smart TPoP pluggables	17.6.1
Support for BFD, sub-second fast hello for VRRPv3 convergence and re-convergenc	17.6.1
Remote LFA for MLDP	17.6.1
Support for E1 Smart optics which supports Circuit emulation PW on uni-directional LSP & Bi-directional Flex LSP	17.6.1
SRTE: OSPF Flex-Algo (Ph2): TI LFA	17.6.1
Ingress + Egress Flexible NetFlow ASR 900 RSP2	17.6.1
YANG Model support for show mpls tr tunnel command	17.6.1
YANG Model Support for RSVP Commands	17.6.1
YANG Model Support for IPSLA Operating Model for Y1731	17.6.1
Yang: Native: Oper model support for "sh mpls ldp neighbor"	17.6.1
YANG Model support for QoS Overhead Accounting	17.6.1
YANG Model support for alarm profile configurations	17.6.1

Feature Name	Cisco NCS4201-SA, NCS4202-SA
YANG Model Support for Shared Risk Link Groups (SRLG) Group Identification (GID) configurations	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
SR-PCE: PCE Initiated SR Policy + ISIS Autoroute - ASR 900 / RSP 2 and RSP3	17.7.1
Framed SAToP support for DS3 Smart pluggable (LAB-147)	17.7.1
YANG - Oper Model - complete Y1564 Service Performance probe statistics	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
Multicast SLA Measurement with Telemetry on ASR920	17.7.1
FR Support for IP Interworking on Eomer/Elboron IM	17.8.1
EDPL on Bundle Interface	17.8.1
Long Service name	17.8.1
NCS-4202: 48T1E1-CE support	17.8.1
Default Smart Licensing enablement Phase 2	17.8.1
YANG - dot1ad is not supported in "rewrite ingress tag push"	17.8.1
Increase Maximum MTU Size (>9600 bytes)	17.8.1
L2CP feature needs to be enhanced to include more addresses/protocols	17.9.1
[SVSP-247] Y1731 packets bypassing software QoS queues on NNI link	17.9.1
Flex-LSP co-routed tunnel inter-area support	17.9.1
PSB baseline testing (SP Access)	17.9.1
Nodes should clear all user files from bootflash during factory reset (No Service password-recovery feature)	17.9.1
SNMP DG with MPLS-TE	17.9.1
Smart Pluggable firmware upgrade delivery mechanism	17.9.1

Feature Name	Cisco NCS4201-SA, NCS4202-SA
Smart Pluggable Clock Status	17.9.1
Custom Idle Pattern/Trunk Conditioning	17.9.1
ADM upgrade	17.9.1
Validation of IPV6 support as per "new RFC8200 spec"	17.10.1
YANG - Support for L2VPN Oper models	17.10.1
Command Needed to Force PW up when AC is Down	17.10.1
Need support for disabling/enabling gratuitous ARP	17.10.1
Support for Tagged LLDP Packets	17.10.1
Nodes should clear all user files from bootflash during factory reset (No Service password-recovery feature)	17.10.1
To enable telemetry based collection	17.10.1
BGP aggregate-address not showing in advertised routes when BGP LU is configured	17.10.1
Y1564 - SADT: Enhancement to resolve loss in observed throughput	17.10.1
System CESoP NxDS0 BERT	17.11.1
Frame Relay Port Mode	17.11.1
Support for 3-in-24 BERT Patterns	17.11.1
QoS for Y.1564 SADT External Sessions	17.11.1
gNMI Dial-Out Using gRPC Tunnel Service	17.11.1
YANG Support for show l2vpn atom vc detail Command	17.11.1
Layer 3 Termination on Frame Relay Serial Interfaces	17.11.1
NTP Support for IPv6 Networks	17.11.1
No License Snapshot Support	17.11.1
Track with EFP for convergence optimization	17.12.1
Framed BERT test on DS1(Denethor) CEM card	17.13.1
Incorporate RFC6213	17.13.1
Remote loopback - user defined patterns on IMA48D (ENG-56)	17.13.1
LOS Alarming does not meet GR-253 Specifications	17.15.1
SONET protection switch notifications	17.15.1
Control plane resource monitoring	17.15.1

Feature Compatibility Matrix for the Cisco Network Convergence System Routers NCS 4201-02 Series

Feature Name	Cisco NCS4201-SA, NCS4202-SA
LOS/SF/SD alarms should not be CR if traffic is switched to protection	17.15.1
DDS DS0 Remote Loopback Codes	17.15.1
Support for SD & SF Alarms for T1 Services	17.15.1
Support for Protection Switching Count for 1+1 Protected SONET Interface	17.15.1