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Refurbished CISCO NCS-1100W-ACFW Datasheet

CISCO > ROUTERS

Cisco Network Convergence System 5500 Series

Features and benefits of Cisco NCS 55A1 Series Fixed Chassis (Cisco IOS XR Software 6.3.1 Release or Beyond)

Feature	
Feature	Specification
Integrated Interface	10GE/25GE (breakout using certain transceivers) 40GE/100 Gigabit Ethernet support
MACsec encryption NCS-55A1-36H-S / NCS-55A1-36H-SE-S	IEEE 802.1AE standards-based Layer 2 hop-by-hop encryption that provides data confidentiality and integrity for media access independent protocols
Industry leading carrier-class Cisco IOS XR Software	Visibility and telemetry Machine-to-machine interface Application hosting Flexible platform and packaging Modularity Automation
Management ports	Provides easy access to system console
External USB port	Helps simplify image and file management
Embedded USB (eUSB) storage	Flash memory devices for storing software image, configuration, logging, and recovery
Power consumption	Ultra-low power per Gigabit Ethernet
Redundancy	Redundant fan tray Redundant AC or DC power supply

Software feature support on NCS 55A1 Fixed Chassis in Cisco IOS XR Software 6.3.1 release or beyond

Description	
Description	Specification
Layer 2	Layer 2 switch ports IEEE 802.1Q VLAN encapsulation/Q-in-Q encapsulation IEEE 802.1ad Cisco Bundle Ethernet technology (up to 32 ports per Ethernet Bundle) Link Aggregation Control Protocol (LACP): IEEE 802.3ad Jumbo frames on all ports (up to 9216 bytes) L2 ingress Access Control List (ACL) L2 AC-AC cross-connect Ethernet Flow Point (EFP) and VLAN trunks Virtual Router Redundancy Protocol (VRRP)
Layer 3	IPv4 and IPv6 unicast Layer 3 interfaces: physical and sub-interfaces Routing protocols: static, Open Shortest Path First (OSPFv2), OSPFv3, Intermediate System to Intermediate System (ISIS), ISISv6, and Border Gateway Protocol (BGP) 32-way equal-cost multipath (ECMP) L3 ingress and egress IPv4 ACL and IPv6 ACL Bidirectional Forwarding Detection (BFD) Cisco Bundle Ethernet technology (up to 32 ports per Ethernet Bundle) Link Aggregation Control Protocol (LACP): IEEE 802.3ad Jumbo frame support (up to 9216 bytes) Hot Standby Router Protocol (HSRP)/Virtual Router Redundancy Protocol (VRRP) Layer 3 Virtual Private Network (L3VPN)
MPLS	Label switching

	LDP MPLS Traffic Engineering Ethernet over MPLS (EoMPLS)
Segment Routing (SR)	Segment routing–based transport ISIS extensions to segment routing OSPF extensions to segment routing BGP egress peering engineering Segment Routing Traffic Engineering (SR-TE) Segment Routing Topology Independent Loop Free Alternatives (TI-LFA)
Quality of Service (QoS)	Hierarchical QoS Ingress classification based on Class of Service (L2), IP differentiated service code point (L3), IP ACL (L3/L4), IP precedence (type of service) (L3) DSCP marking 8 number of queues for user traffic Support for priority queuing
Timing	SyncE, G.8265.1, G.8275.1, G.8275.2, G.8273.2 NCS-55A1-24H support from 6.5.2 and beyond NCS-55A1-36H-SE-S support from 7.0.1 and beyond NCS-55A1-36H-S support from 7.0.1 and beyond
Automation	Zero-Touch Provisioning (ZTP), iPXE Configuration management Network Configuration Protocol (NETCONG/YANG model)
Security	Provides comprehensive network security features, including ACLs; control-plane protection; management plane protection; routing authentications; Authentication, Authorization, and Accounting (AAA) and Terminal Access Controller Access-Control System Plus (TACACS+); Secure Shell (SSH) Protocol; SNMPv3; and RPL support Layer 2 ingress ACLs Layer 3 ingress ACLs
Management	MIB, XML, JSON, GPB, and SNMP MPLS OAM (label switched path [LSP] ping, LSP traceroute) Ethernet OAM

Environmental properties for NCS 55A1 Fixed systems

Property	Cisco NCS 5500 Series
Normal Operating Temperature	Port-S Intake supply: 32 to 104°F (0 to 40°C) - Port-S Exhaust supply: 32 to 95°F (0 to 35°C)
Non-operating (storage) Temperature	40 to 158°F (–40 to 70°C)
Operating Humidity	5% to 95% (noncondensing) Note: Not to exceed 0.024 kg water or dry air
Storage (relative) Humidity	5% to 95% at 40C per NEBS GR-63-Core Note: Not to exceed 0.024 kg water or dry air
Altitude	0 to 9,842 ft (0 to 3000m)
Power Inputs	Worldwide ranging AC (90-265V; 50-60 Hz) Worldwide ranging DC (-40V to -72V)
Air Flow	Front to back (port-side intake) Back to front (port-side exhaust)

Regulatory standards compliance: Safety and EMC

Specification	
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
Network Equipment Building Standards (NEBS)	Designed to meet GR-63-CORE and GR-1089-CORE
Safety	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1 GB4943
EMC Standards	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A

	CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC Immunity	EN55024 CISPR24 EN300386 KN 61000-4 series
RoHS	The product is RoHS-6 compliant with exceptions for leaded-Ball Grid-Array (BGA) balls and lead press-fit connectors.

The next steps...

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