

C8300-2N2S-6T Datasheet

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Overview

The Cisco c8300-2n2s-6t router is a advanced solution for organization networking, providing outstanding performance with its dual network interfaces and six high-speed throughput ports. Planned for scalability, it become accustomed naturally to growing business needs. The c8300-2n2s-6t excels in security, featuring advanced threat detection and mitigation tools, including firewalls and VPN support.

Quick Spec

Part number	C8300-2N2S-6T
Description	C8300 2RU w/ 1G WAN (2 SM and 2 NIM slots, and 6 x 1-Gigabit Ethernet ports)
Multicore processors	Intel x86 CPU with 8 GB memory default
Embedded IPsec VPN hardware acceleration	Up to 5 Gbps of IPsec Internet Mix (IMIX) traffic
DRAM	8 GB
SD-WAN overlay tunnels scale	6000
Integrated Gigabit Ethernet ports	6 built-in 10/100/1000/10G Ethernet ports for WAN or LAN 2 SFP Ethernet ports, 4 RJ45 ports
Flash memory support	8-GB flash
M.2 storage	With default 16G M.2 USB for SD-WAN logging and additional storage on the platform and can be upgraded to 32G M.2 USB and 600G M.2 NVMe Storage

Appearance of the C8300-2N2S-6T.



Compare the Similar Items

Product Code	C8300-2N2S-6T	C8300-1N1S-6T
Product Description	C8300 2RU w/ 1G WAN (2 SM and 2 NIM slots, and 6 x 1-Gigabit Ethernet ports)	C8300 1RU w/ 1G WAN (1 SM slot and 1 NIM slot, and 6 x 1-Gigabit Ethernet ports)
Multicore processors	Intel x86 CPU with 8 GB memory default	Intel x86 CPU with 8 GB memory default
Embedded IPsec VPN hardware acceleration	Up to 5 Gbps of IPsec Internet Mix (IMIX) traffic	Up to 5 Gbps of IPsec Internet Mix (IMIX) traffic
DRAM	8 GB	8 GB
SD-WAN overlay tunnels scale	6000	6000
SD-WAN IPsec Throughput (1400Bytes, clear text)	Up to 1.9Gbps	Up to 1.9Gbps

SD-WAN IPsec Throughput (IMIX*, clear text**)	1.75Gbps	1.75Gbps
Slots	2 SM 2 NIM 1 PIM	1 SM 1 NIM 1 PIM

C8300-2N2S-6T Specification

C8300-2N2S-6T Specification	
Description	C8300 2RU w/ 1G WAN (2 SM and 2 NIM slots, and 6 x 1-Gigabit Ethernet ports)
Multicore processors	Intel x86 CPU with 8 GB memory default
Embedded IPsec VPN hardware acceleration	Up to 5 Gbps of IPSec Internet Mix (IMIX) traffic
Integrated Gigabit Ethernet ports	6 built-in 10/100/1000/10G Ethernet ports for WAN or LAN 2 SFP Ethernet ports, 4 RJ45 ports
Flash memory support	8-GB flash
Modularity and form factor	1RU and 2RU form factor Supports SM, NIM, and Pluggable Interface Module (PIM) slots
10G port density	-
1G port density	6
Slots	2 SM 2 NIM 1 PIM
DRAM	8 GB
Storage (M.2 SSD) default	16 GB
SD-WAN IPsec Throughput (1400Bytes, clear text)	Up to 1.9Gbps
SD-WAN IPsec Throughput (IMIX*, clear text**)	1.75Gbps
SD-WAN Overlay Tunnels scale	6000
IPv4 Forwarding Throughput (1400Bytes)	Up to 19.7Gbps
IPsec Throughput (1400Bytes, clear text**)	Up to 1.9Gbps
Number of IPsec SVTI Tunnels	4000
Number of ACLs per system	4000
Number of IPv4 ACEs per system	72K
Number of IPv4 Routes	1.6M w/ default 8GB, up to 4M w/ 32GB
Number of IPv6 Routes	1.5M w/ default 8GB, up to 4M w/ 32GB
Number of Queues	16K
Number of NAT Sessions	1.2M w/ default 8GB, up to 2M w/ 32GB
Number of Firewall Sessions	512K
Number of VRFs	4000