

C1-ASR1001-X/K9 Datasheet

Get a Quote

Overview

C1-ASR1001-X/K9 is the ASR1001-X with Cisco ONE Software. Cisco ONE Software suites provide a cost-effective and flexible way for you to acquire software for your data center, routing, switching, and wireless needs.

Cisco ASR 1000-X is designed for high-end enterprise, data center, service provider edging network in order to handle explosive traffic through the network. It supports only software redundancy, and it is based on a Quad-core 2.13GHz processor with 4GB memory, 8GB flash memory, 1 SPA bay, SPA interface processor 10 (SIP10).

Quick Specs

Figure 1 shows the appearance of the C1-ASR1001-X/K9.

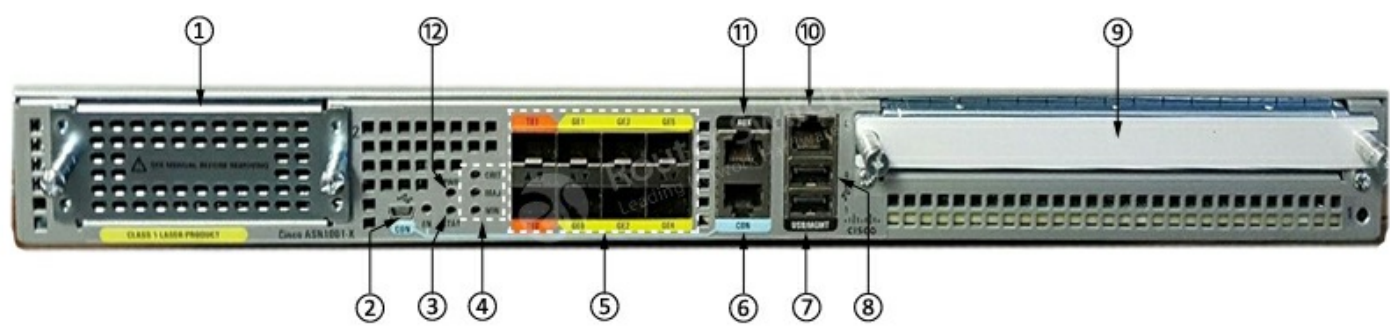


Table 1 shows the Quick Specs.

| | |
|------------------------------------|---|
| Product Code | C1-ASR1001-X/K9 |
| Rack Height | 1RU |
| System Bandwidth | 2.5G (default) / 5G, 10G, 20G (upgrade) |
| Router Processor (RP) | Quad-core 2.13Ghz processor |
| Build-in Gigabit Ethernet port | 6 x SFP ports, 2 x SFP+ ports |
| Redundancy | Software (license purchase separately) |
| SIP and Ethernet line card | Integrated in chassis; not upgradable |
| Embedded hardware-based encryption | up to 8-Gbps crypto support throughput |
| Rack-mounting | 19-inch |
| DRAM Memory | 8 GB |
| Flash Memory | 8 GB |
| Shared port adapters | 1 SPA slot |
| External USB flash memory | 1-GB USB flash-memory support |

Product Details

Figure 2 shows the front panel of C1-ASR1001-X/K9.



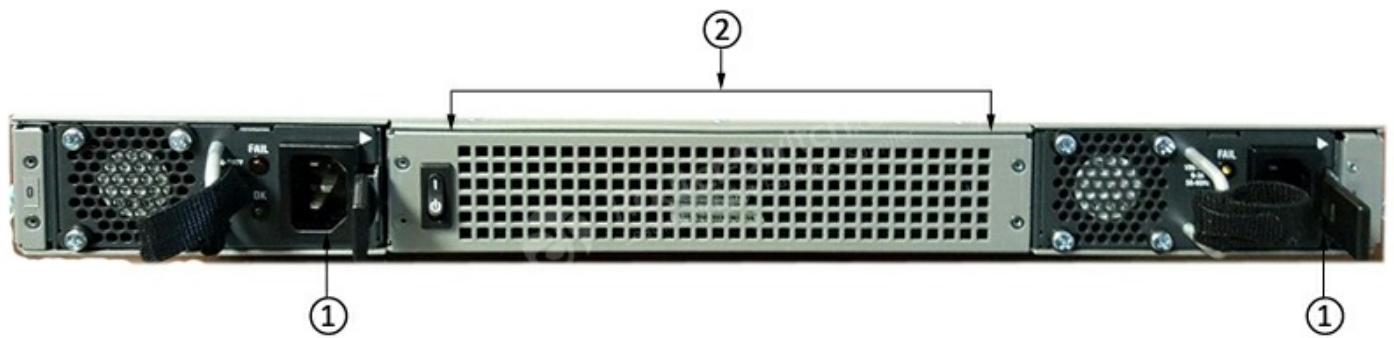
Note:

- (1) NIM slots
 - (2) CON—One mini eUSB por
 - (3) STAT—Status LED
 - (4) CRIT LED—Critical alarm indicator; MAJ LED—Major alarm indicator; MIN LED—Minor alarm indicator
 - (5) 6 x SFP ports, 2 x SFP+ ports
 - (6) CON—One RJ-45/RS-232 compatible console port
 - (7) USB port 1
 - (8) USB port 0
 - (9) Shared port adapter slot
 - (10) MGMT—One RJ-45 10/100/1000 management Ethernet port.
 - (11) AUX—One RJ-45/RS-232 compatible auxiliary port
 - (12) PWR—Power LED
- Six built-in 1 GE SFP-only interfaces (do not support SFP+), and two built-in 10 GE SFP+ interfaces (support only 10-GE rate)

Table 2 shows some LEDs’ Descriptions.

| LEDs | Color | Description |
|-------------------------|-------------|---|
| PWR (Power) | Solid green | All power requirements are within specification. |
| | Off | The router is in standby mode. |
| STAT (System Status) | Solid green | Cisco IOSD and other required processes have loaded successfully and are operating. |
| | Yellow | ROMMON is running (including a permanent failure of RP software) or the Process Manager has declared a critical RP process (including IOSD) dead. A user can log in to recover. |
| | Red | Occurs during system failure or power-up. |
| CRIT (Critical) | Solid Red | Functions as a critical alarm indicator. The LED is Iso a solid red during the boot process. |
| MAJ (Major) | Solid Red | Major alarm indicator. |
| MIN (Minor) | Amber | Minor alarm indicator. |

Figure 3 shows the back panel of C1-ASR1001-X/K9.



Note

(1) Two power supplies, either two AC power supplies or two DC power supplies are accessed from the rear of the router and are hot-swappable.

(2) Four internal fans draw cooling air into the chassis and across internal components to maintain an acceptable operating temperature.

Datasheet Download

[Cisco Router ASR 1000 Series Datasheet.pdf](#)

Get more information

Do you have any question about the C1-ASR1001-X/K9?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

| C1-ASR1001-X/K9 Specifications | |
|--|--|
| Physical specifications Note: Depth applies to chassis edge-to-edge dimension and does not include protrusions such as card handles, power-supply handles, and cable management brackets. Refer to the applicable hardware installation guide for additional details. | Height: 1.71 in. (43.43 mm) Width: 17.3 in. (439.42 mm) Depth: 18.17 in. (461.5 mm) Weight: ● 25 lb (11.35 kg) fully loaded Note: The Cisco ASR 1001-X Router has the route processor, ESP, and SIP integrated. |
| Default memory | 8-GB DRAM shared across route processor, ESP, and SIP |
| Number of SIPs or Ethernet line cards supported | Integrated in chassis |
| Shared port adapters | 1 single-height SPA slot |
| Ethernet port adapters | N/A |
| Cisco ASR 1000 Series ESP | Integrated in chassis |
| Route processor | Integrated in the chassis: Cisco ASR 1001-X Series Route Processor with Quad Core Processor |
| Redundancy | Software: Yes |
| Built-in Gigabit Ethernet ports | Yes: 6 Gigabit Ethernet Small Form-Factor Pluggable (SFP) ports |

| | |
|--|--|
| Built-in 10 Gigabit Ethernet port | Yes: Two 10 Gigabit Ethernet Small Form-Factor Plus Pluggable (SFP+) ports Note: Built-in 10-GB ports cannot be reduced to 1-GB speed. |
| Network interface module | Yes |
| Cisco ASR 1000 Series | Cisco ASR 1001-X |
| ESP support | Cisco ASR 1000 Series 2.5-Gbps ESP (default) Upgradable through a software-activated feature license to 5, 10, or 20 Gbps |
| ESP bandwidth | 2.5 to 20 Gbps |
| ESP memory | Share the same control memory on route processor |
| SIPs and Ethernet line cards | Integrated in chassis; not upgradable |
| Embedded hardware-based encryption | Yes: Up to 8-Gbps crypto support throughput |
| Minimum Cisco IOS XE Software release | Cisco IOS XE Software Release 3.12.0 |
| Rack-mounting | Yes: 19-inch |
| Wall-mounting | No |
| External USB flash memory | 1-GB USB flash-memory support |
| Redundant power supply | Yes: Dual power supplies by default; option of either AC or DC power supply Note: A mix of one AC and one DC power supply is not supported. |
| Power input | Worldwide ranging AC input range (85 to 264 VAC) Worldwide ranging DC (-40 to -72V; 48V nominal) |
| Power consumption | <ul style="list-style-type: none"> ● Maximum (DC): 242W ● Maximum (AC): 250W ● Maximum (out): 250W |
| Airflow | Front-to-back |
| Operating temperature (nominal) | 32 to 104°F (0 to 40°C) |
| Operating temperature (short-term) | 32 to 122°F (0 to 50°C) |
| Operating humidity (nominal) (relative humidity) | 10 to 85% |
| Operating humidity (short-term) | 5 to 90% |
| Storage temperature | -40 to 150°F (-40 to 70°C) |
| Storage humidity (relative humidity) | 5 to 95% |
| Operating altitude | -500 to 10,000 feet (152 to 3048 meters) |
| Network Equipment Building Standards (NEBS) | GR-1089 and GR-63 (in progress) |


| | |
|-----------------|---|
| EMC standards | <ul style="list-style-type: none">● FCC 47 CFR Part 15 Class A● VCCI Class A● AS/NSZ Class A● ICES-003 Class A● EN55022/CISPR 22 Information Technology Equipment (Emissions)● EN55024/CISPR 24 Information Technology Equipment (Immunity)● EN300 386 Telecommunications Network Equipment (EMC)● EN50082-1/EN61000-6-1 Generic Immunity Standard |
| Safety Standard | UL60950-1 CSA C22.2 No. 60950-1-03 EN 60950-1 IEC 60950-1 AS/NZS 60950.1 |

Want to Buy


- Order Now
- Get a Quote

Why Router-switch.com


As a leading network hardware supplier, Router-switch.com focuses on original new ICT equipment of [Cisco](#), [Huawei](#), [HPE](#), [Dell](#), [Hikvision](#), [Juniper](#), [Fortinet](#), etc.




200+
Countries we Sold




16,000+
Customers Trusted



\$20,000,000
Inventory Available



50%-98%
Off Global List Price



100%
Safe Online Shopping

Contact Us

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com