CCR-1009-7G-1C-1S+ DATASHEET

Overview

The MikroTik CCR1009-7G-1C-1S+ is a powerful enterprise-grade cloud core router designed for high-performance networking tasks. It features a 9-core 1.2 GHz TILE CPU coupled with 2 GB of RAM, delivering robust multi-threaded processing power suitable for demanding network environments. The device provides seven independent Gigabit Ethernet ports, one combo port (which can be used as either a Gigabit Ethernet port or an SFP cage for fiber connectivity with hardware fail-over support), and one 10G SFP+ port supporting both 100BASE fiber modules and 1.25G SFP modules.

QUICK SPEC

FIGURE 1: APPEARANCE OF CCR-1009-7G-1C-1S+

TABLE 1: Quick Specs

SKU	CCR-1009-7G-1C-1S+
Backplane speed	Up to 16 Gbps throughput
Throughput	8 Mbps standard forwarding, 24 Mbps fastpath forwarding
Ports	7 x Gigabit Ethernet (10/100/1000 Mbps), 1 x Combo port (Gigabit Ethernet or SFP with hardware failover), 1 x SFP+ port (10G capable)
Dimensions (W x H x D)	443 x 175 x 44 mm

Product Details

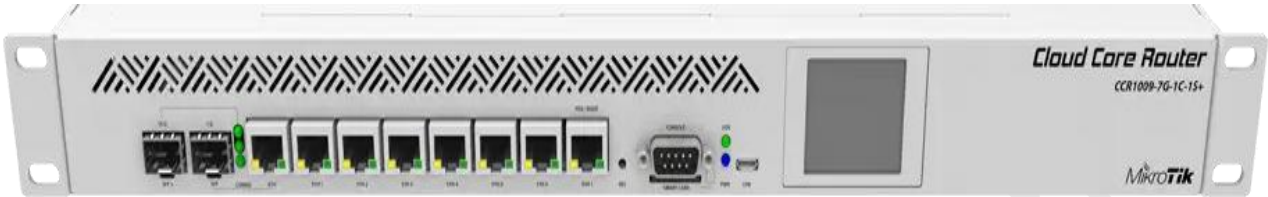### FIGURE 2: FRONT PANEL OF CCR-1009-7G-1C-1S+

FIGURE 3: BACK PANEL OF CCR-1009-7G-1C-1S+

CCR-1009-7G-1C-1S+ Switch provides these features:

1.Fully Independent Ethernet Ports

The CCR1009-7G-1C-1S+ features seven Gigabit Ethernet ports that are fully independent and directly connected to the CPU. This design removes the bottleneck of a shared switch-chip, allowing each port to utilize the full processing power of the 9-core 1.2 GHz CPU, resulting in significantly higher throughput and better overall performance.

2.Combo Port with Hardware Fail-over

The device includes a single combo port with two hardware interfaces—a Gigabit Ethernet port and an SFP cage. This combo port can be switched between its two physical interfaces from the software or automatically in the event of a disconnect, providing a unique hardware fail-over feature that enhances connection reliability.

3.100Mbps SFP Support

It is the first MikroTik device to support 100BASE-LX, 100BASE-SX, and 100BASE-BX fiber modules in addition to standard 1.25G SFP modules. This allows greater flexibility for fiber optic connections requiring different speeds.

4.10G SFP+ Port

This has a dedicated SFP+ port offers high-speed 10G connectivity suitable for uplinks or connecting to high-bandwidth network segments.

5.Dual Power Supplies for Redundancy

It has built-in dual power supply units provide power redundancy; if one power source fails, the other automatically takes over ensuring uninterrupted operation.

6.Advanced RouterOS Features:

This router runs RouterOS with a level 6 license, enabling extensive routing, firewall, VPN, and network management capabilities suitable for enterprise environments.

7.Additional Features:

It includes an LCD touchscreen for easy management, a smart card slot for secure certificate-based authentication, a microSD slot for storage expansion, USB micro-AB port with power reset, and an RS232 serial console port.

8.High Efficiency and Monitoring

It supports passive PoE input, voltage, current, and temperature monitoring for CPU and PCB, providing operational insights and energy efficiency.

SPECIFICATION

CCR-1009-7G-1C-1S+ SPECIFICATION	
Model	CCR1009-7G-1C-1S+
Architecture	TILE
CPU	TLR4-00980
CPU core count	9
CPU nominal frequency	1.2 GHz
Dimensions	443 x 175 x 44 mm
RouterOS license	6
Operating System	RouterOS
Size of RAM	2 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20°C to 60°C
IPsec hardware acceleration	Yes
Number of AC inputs	2

AC input range	100-240
Number of DC inputs	1 (PoE-IN)
Number of PSU slots	2
Frequency (Hz)	50-60
Max power consumption	39 W
Max power consumption without attachments	34 W
PoE in	Passive PoE
Cooling type	2 fans
PoE in input Voltage	15-57 V
10/100/1000 Ethernet ports	7
Ethernet Combo ports	1
SFP+ ports	1
Number of SIM slots	1 Smart card (Mini SIM)
Memory card type	microSD
Memory Cards	1
Serial console port	RS232
Number of USB ports	1
USB Power Reset	Yes
USB slot type	microUSB type AB
Max USB current (A)	1
CPU temperature monitor	Yes
Current Monitor	Yes
PCB temperature monitor	Yes
Voltage Monitor	Yes
Beeper	Yes
Included parts	• USB OTG cable • Rack ears • 2x IEC cords • K10 screw kit
Certification	CE, EAC, ROHS

Why Insight Infosys.com

We design and deploy full-stack ICT architectures — from edge to core, on-prem to cloud with a focus on networking, virtualization, cloud services, and cybersecurity services.

Since 2010, we have built partnerships with global leaders like:

Cisco - Juniper - MikroTik - Cambium - Fortinet - SonicWall - Palo Alto - Sophos - Aruba - Ubiquiti - Mimosa

What Sets Us Apart:

**1500 +
Completed
Projects**

**250 +
Trusted
Clients**

**Partners
With Global Leading
Tech Vendors**

**Competitive
Affordable
Pricing**

**24/7
Tech
Support**

CONTACT US

Insight Technology Pvt. Ltd.
Email: care@insightinfosys.com
Phone: +977 1 5268730, 9801148543
Address: Steel Tower, Jawalakhel, Lalitpur