

Specifications

Details	
Product code	CRS109-8G-1S-2HnD-IN
Architecture	MIPSBE
CPU	AR9344
CPU core count	1
CPU nominal frequency	600 MHz
Dimensions	200 x 142 x 44 mm
RouterOS license	5
Operating System	RouterOS
Size of RAM	128 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40°C to 65°C

Powering

Details	
802.3af support	yes
Number of DC inputs	2 (DC jack, PoE-IN)
DC jack input Voltage	10-57 V
Max power consumption	13 W
Cooling type	Passive
PoE in	Passive PoE
PoE in input Voltage	10-57 V

Wireless specifications

Details	
Wireless 2.4 GHz Max data rate	300 Mbit/s
Wireless 2.4 GHz number of chains	2

Details

Wireless 2.4 GHz standards	802.11b/g/n
Antenna gain dBi for 2.4 GHz	4
Wireless 2.4 GHz chip model	AR9344
Wireless 2.4 GHz generation	Wi-Fi 4

Ethernet

Details

10/100/1000 Ethernet ports	8
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Fiber

Details

SFP DDMI	yes
SFP ports	1

Peripherals

Details

Serial console port	RJ45
Number of USB ports	1
USB Power Reset	Yes
USB slot type	microUSB type AB
Max USB current (A)	1.5

Other

Details

PCB temperature monitor	Yes
Voltage Monitor	Yes

Certification & Approvals

Details

Certification	CE, FCC, EAC, ROHS
IP	IP20

Wireless specifications

2.4 GHz	Transmit (dBm)	Receive Sensitivity
1MBit/s	29	-97
11MBit/s	28	-90
6MBit/s	30	-96
54MBit/s	25	-76
MCS0	30	-96
MCS7	23	-73