

Mikrotik CCR2004-1G-2XS-PCle



Artikel
Herstellernummer
EAN
Mikrotik

229886
CCR2004-1G-2XS-PCIE
4752224007926

A smart PCIe network interface card that adds full-fledged router capabilities to your servers. The smart and easy way to create 25 Gigabit networks if you want to save space in your server room!

Save space in your server room by adding a real CCR2004.. within the server itself! This unique product combines a simple 2x 25 Gigabit PCIe Ethernet adapter with the impressive capabilities of a fully-fledged router.

By default, the PCIe interface will show up as four virtual Ethernet interfaces. Two interfaces in passthrough mode to the 25G SFP28 cages. Remaining two virtual Ethernet-PCIe interfaces are bridged with the Gigabit Ethernet port for management access. The user can configure all interfaces and settings freely since we are running fully functional RouterOS here.

To get this CCR device to work as an NIC, a new Passthrough mode was implemented. Basically, a FastForward FastPath mode that can also pass hardware link statuses.

This NIC can reach wire-speed (100Gbps) with Jumbo frames. It ensures that in most server setups this CCR network card will not be the bottleneck.

With 4 GB of RAM, 128 MB of NAND storage, and a powerful quad-core ARMv8 64-bit CPU, this device can handle a lot: firewalls, user management and access control for home media and file servers, and even some traffic control in data centers – without the need for a stand-alone router.

This form-factor does come with certain limitations that you should keep in mind. The CCR NIC card needs some time to boot up compared to ASIC-based setups. If the host system is up before the CCR card, it will not appear among the available devices. You should add a PCIe device initialization delay after power-up in the BIOS. Or you will need to re-initialize the PCIe devices from the HOST system.

We are looking forward to see your unique use-cases for this unconventional device: a simple high-speed networking card combined with a powerful Cloud Core Router.

Unleash the potential of your server with the fierce power of RouterOS!

Zusammenfassung

A smart PCIe network interface card that adds full-fledged router capabilities to your servers. The smart and easy way to create 25 Gigabit networks if you want to save space in your server room!

Save space in your server room by adding a real CCR2004.. within the server itself! This unique product combines a simple 2x 25 Gigabit PCIe Ethernet adapter with the impressive capabilities of a fully-fledged router.

By default, the PCIe interface will show up as four virtual Ethernet interfaces. Two interfaces in passthrough mode to the 25G SFP28 cages. Remaining two virtual Ethernet-PCIe interfaces are bridged with the Gigabit Ethernet port for management access. The user can configure all interfaces and settings freely since we are running fully functional RouterOS here.

To get this CCR device to work as an NIC, a new Passthrough mode was implemented. Basically, a FastForward FastPath mode that can also pass hardware link statuses.

This NIC can reach wire-speed (100Gbps) with Jumbo frames. It ensures that in most server setups this CCR network card will not be the bottleneck.

With 4 GB of RAM, 128 MB of NAND storage, and a powerful quad-core ARMv8 64-bit CPU, this device can handle a lot: firewalls, user management and access control for home media and file servers, and even some traffic control in data centers – without the need for a stand-alone router.

This form-factor does come with certain limitations that you should keep in mind. The CCR NIC card needs some time to boot up compared to ASIC-based setups. If the host system is up before the CCR card, it will not appear among the available devices. You should add a PCIe device initialization delay after power-up in the BIOS. Or you will need to re-initialize the PCIe devices from the HOST system.

We are looking forward to see your unique use-cases for this unconventional device: a simple high-speed networking card combined with a powerful Cloud Core Router.

Unleash the potential of your server with the fierce power of RouterOS!

Mikrotik CCR2004-1G-2XS-PCIe, Internal, Wired, PCI Express, Ethernet / Fiber

Mikrotik CCR2004-1G-2XS-PCIe. Internal. Connectivity technology: Wired, Host interface: PCI Express, Interface: Ethernet / Fiber

Merkmale

		Design	
Network		Component for	PC
Ethernet LAN data rates	10,100,1000 Mbit/s	Internal	Yes
		Mean time between failures (MTBF)	200000 h
		Certification	CE, EAC, ROHS
Operational conditions		Ports & interfaces	
Operating temperature (T-T)	-20 - 60 °C	Connectivity technology	Wired
		Host interface	PCI Express
		Interface	Ethernet / Fiber
		Ethernet LAN (RJ-45) ports	1
		Fiber ports quantity	2
		Fiber optic connector	SFP28
Weight & dimensions			
Width	170 mm		
Depth	18 mm		
Height	69 mm		

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.