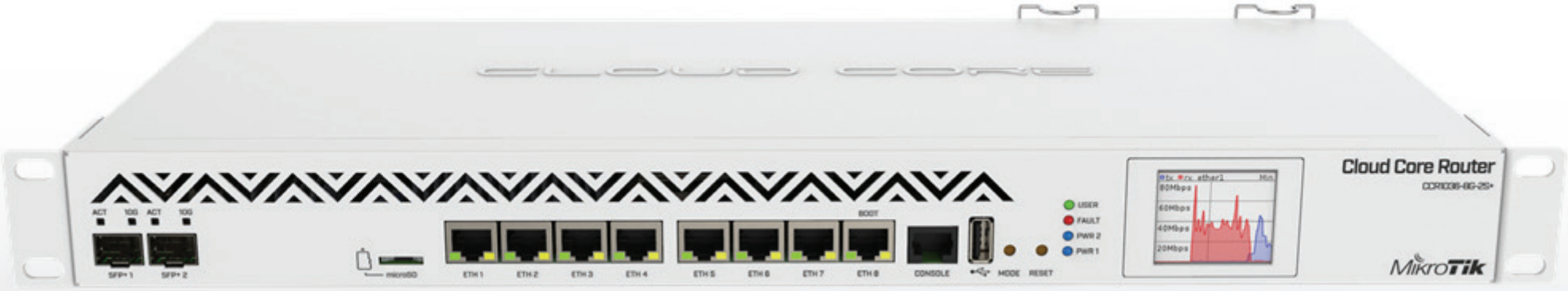
ROUTER
CCR

BY FIBER SYSTEM

# PRODUCT MANUAL

CCR1036-8G-2S+

# CCR1036
# -8G-2S+



# Product Overview

The CCR1036-8G-2S+ is a high performance networking router with eight Gigabit ports, two SFP+ ports for 10G connectivity and dual power supplies for redundancy. Powered by a 36 core CPU, this router is able to perform the most complicated routing and management tasks, for managing large networks with high bandwidth requirements.

Each of it's ports is directly connected to the Tilera networking CPU, with no ports sharing any bandwidth, guaranteeing the best performance and highest reliability. The CPU supports IPsec hardware accelerated encryption, so you can use it also as a high performance VPN gateway to ensure the best encryption between important locations, without sacrificing connection speed.

The M.2 slot allows to install a high speed SSD disk, for using a local user database, proxy storage or for other features. Two versions are available, depending on the required RAM amount:
4 GB for CCR1036-8G-2S+ and 8 GB for CCR1036-8G-2S+EM.

Comparing to the previous model, the new CCR1036 series has a full size USB port, redundant power supplies with improved design, RJ45 serial port and general improvements in durability, efficiency and reliability.

# Main Characteristics

- RouterOS License: Level 6
- Board Dimensions: 355 x 145 x 55mm (14" x 5.7" x 2.2")
- Max. Ambient Temperature: 50° at 1.2GHz - 70° at 1GHz CPU core frequency
- Max. Power Consumption: 60W
- USB: Yes
- Operating System: RouterOS v6

- 36 Core networking CPU
- 12 Mbps total on-chip cache
- 8Mbps standard forwarding
- 41.5MBps fastpath forwarding
- Up to 28Gbit/s throughput
- 1U Rack mount Case
- Color touchscreen LCD display
- Ports directly connected to CPU

- CPU Speed: 1.2GHz
- FP+ Ports: 2 (The SFP+ ports on CCR1036-8G-2S+ are backwards compatible with SFP standard modules)
- LAN Ports: 8
- Memory: (2) SODIMM DDR3 slots, 2x2GB installed
- Gigabit: Yes
- miniPCI: 0

# Technical Specifications

| | | |
|---|---|---|
| **Product code** | CCR1036-8G-2S+ | CCR1036-8G-2S+EM |
| **CPU** | 36 cores TLR4-03680 1.2 GHz | |
| **RAM** | 4 GB | 8 GB |
| **Storage** | NAND 1 GB | |
| **Dimensions** | 355 x 145 x 55 mm | |
| **Operating temperature** | -20°C .. +60°C tested | |
| **Operating system** | RouterOS | |
| **License level** | 6 | |

## Interfaces

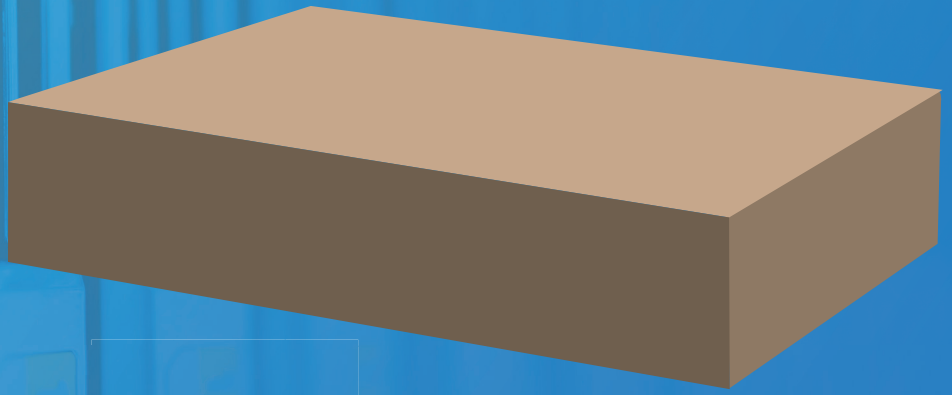
| | |
|---|---|
| **10/100/1000 Ethernet ports** | 8 |
| **1G/10G SFP+ ports** | 2 |
| **M.2 slots** | 1 PCIe x4 |
| **Memory card slots** | 1 microSD |
| **USB ports** | 1 USB type A |
| Serial ports | 1 RJ45 |

## Powering

| | |
|---|---|
| **Supported input voltage** | 100 V - 240 V |
| **Number of AC inputs** | 2 |
| **Max power consumption** | 73 W |

# Packaging & Delivery

**Packaging Details:** USB Cable, Rack Ears, Screw Kit



**Packing case**

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