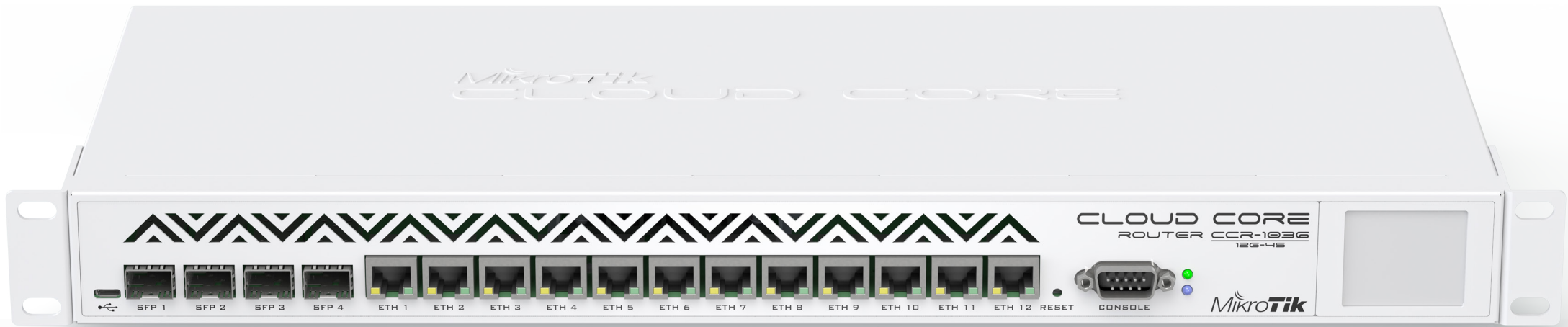


# Cloud Core Router

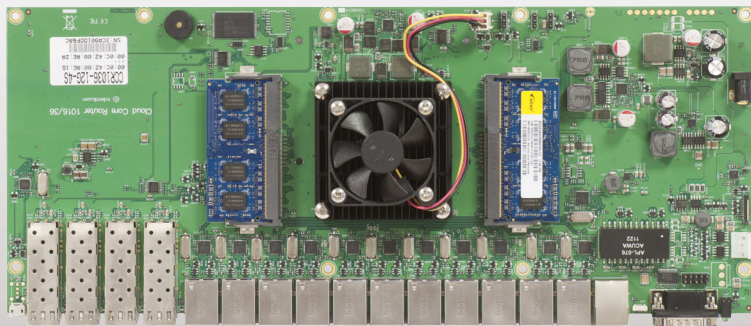
CCR1036-12G-4S



CCR1036-12G-4S is an industrial grade router with cutting edge 36 core CPU! Unprecedented power and unbeatable performance - this is our new flagship device, the Cloud Core Router (CCR1036). If you need many millions of packets per second - Cloud Core Router with 36 cores is your best choice.

The device comes in a 1U rackmount case, has four SFP ports, twelve Gigabit ethernet ports, a serial console cable and a USB port.

The CCR1036-12G-4S has two SODIMM slots, by default it is shipped with 4GB of RAM, but has no memory limit in RouterOS (will accept and utilize 16GB or more).



## New generation CPU

- 36 core CPU
- 1.2GHz clock per core
- 12 Mbytes total on-chip cache
- State of the art TILE GX architecture

## Highest performance

- 8 mpps standard forwarding
- 24 mpps fastpath forwarding (wire speed for all ports)
- Up to 16Gbit/s throughput

## Full set of features

- 1U rackmount case
- 12x Gigabit ports
- 4x SFP ports
- Color touchscreen LCD
- Ports directly connected to CPU

|                  |  |
|------------------|--|
| CPU              | Tilera Tile-Gx36 CPU (36-cores, 1.2Ghz per core)                           |
| Memory           | Two SODIMM DDR slots, 2x2GB installed (no hw or software max limit)        |
| Ethernet         | Twelve 10/100/1000 Mbit/s Gigabit Ethernet with Auto-MDI/X                 |
| SFP              | Four 1.25G Ethernet SFP cage (Mini-GBIC; SFP module not included)          |
| Expansion        | microUSB port, host and device mode  |
| Storage          | 1GB Onboard NAND   |
| Serial port      | One DB9 RS232C asynchronous serial port                                    |
| Extras           | Reset switch; CPU fan; beeper; voltage, current and temperature monitoring |
| Power options    | IEC C14 standard connector 110/220V (PSU included)                         |
| Board dimensions | 355x145mm55mm  |
| Temperature      | Max ambient temperature 50° @ 1.2GHz; 70° @ 1GHz CPU core frequency        |
| OS               | MikroTik RouterOS v6 (64bit), Level 6 license                              |