# TURRIS OMNIA ENTERPRISE

HIGH-PERFORMANCE 10 GBPS ROUTER POWERED BY OCTA-CORE CPU AND UP TO 64 GB RAM WITH 4G AND 5G MODEM OPTIONS.

Turris Omnia Enterprise allows you to deploy advanced services using a SOHO device that allows you to run your favorite Linux distribution and deploy advanced network monitoring and security solutions while still providing an easy to use Web UI to get you started in no time.
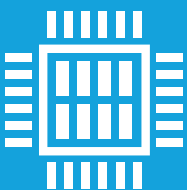
- 64 bit architecture ARMv8
- NXP based SoC
- modular dual slot RAM
- M.2 slot makes 4G/5G easy
- NVME support

- SOHO design
- rack-mount available
- passive cooling
- display instead of LEDs
- SFP and Ethernet interfaces

SOFTWARE

Turris OS is a Linux distribution based on OpenWRT. Our software allows you to use advanced security tools such as IDS, Dynamic Firewall or netflow monitoring while providing easy to use Web UI and automatic updates.

Turris devices also allow you to use your favorite Linux distribution and LXC containers – Turris serves as a tool for any Linux based distribution you'd like to run on the device.

HARDWARE

- – NXP LS2080 ARMv8 octa-core CPU
- – 3× M.2 slots – 1× Wi-Fi, 1x NVME, 1× modem
- – Dual slot RAM up to 64 GB
- – 5× SFP interface, 1× GbE interface
- – 2× USB 3.0

DESIGN

Turris Omnia Enterprise is built to serve both as a SOHO passively cooled device and a rack device using a modular device case design. The design also combines the SFP and Ethernet interfaces for backup connectivity and multiple technology compatibility. The case is designed to contain up to 8 antennas for simultaneous 5G and 4×4 MIMO Wi-Fi 6 deployment.

MOTHERBOARD ARCHITECTURE

M.2 slots combined with high-performance octacore CPU and dual-slot RAM offers maximum performance while keeping the passive cooling option available. 4G and 5G versions of the device keeps NVME and Wi-Fi option available with two spare M.2 slots available. USB 3.0 slots provide enough capacity for data storage and specific use case deployment.
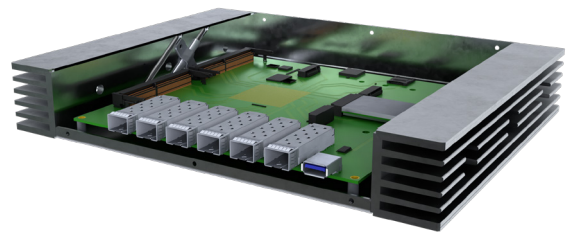
SECURITY

Two-layer firewall protection makes Turris Omnia Enterprise a well-protected device taking advantage of Turris Sentinel distributed dynamic firewall with average 5.000 updates on daily basis based on real-time threat evaluation from the whole Turris ecosystem deployed worldwide. Additional use of IDS, netflow monitorig and custom security tools is also available.

RACK MOUNTING

Turris Omnia Enterprise can be used also as a rack mounted device with custom fitted rack mount easily aplicable to the front panel of the router in a matter of seconds.