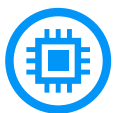# TURRIS OMNIA NG

HIGH-PERFORMANCE 10 GBPS ROUTER

4-CORE CPU
64 bit architecture ARMv8

10 Gbps
WAN/LAN

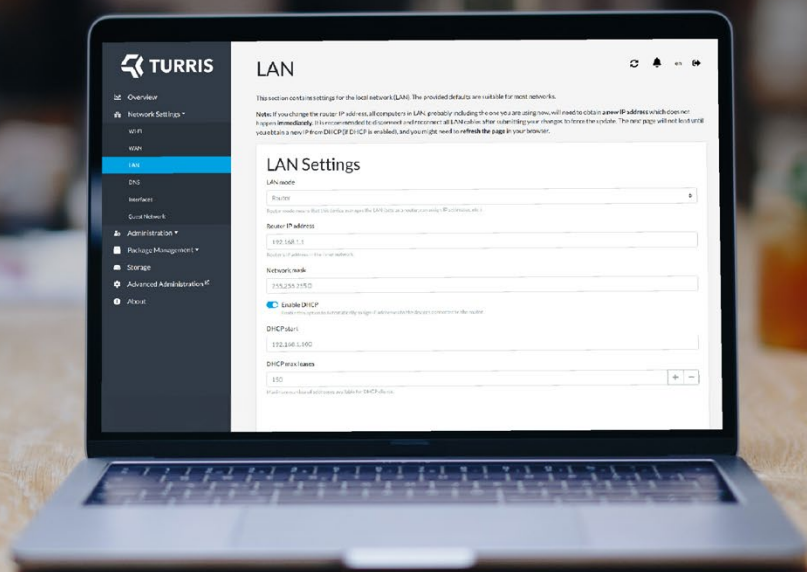## 5G ready
M.2 slot makes 4G/5G easy

Wi-Fi 7
up to 11 530 Mbps

LINUX BASED

Turris OS is a Linux distribution based on OpenWRT. Turris devices allow you to use your favorite Linux distribution and LXC containers.

↻ **Automatic updates**

⊡ **Easy to use web UI**

PASSIVE COOLING

The CPU and M.2 slots offer high performance. However, device still remains passively cooled.
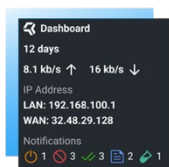
FAST INTERFACES

SFP+ (10 Gbps) and RJ45 (2.5 Gbps) ports. Multiple technologies and multiple uplinks supported.

UP TO 8 ANTENNAS

Simultaneous 5G and Wi-Fi 7 deployment keeps you always online while maintaining great throughput.
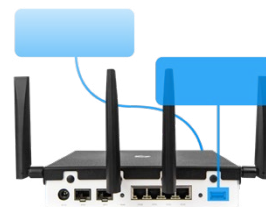
COLOR DISPLAY

The LED diodes are complemented by a color display that shows all the necessary information.

RACK-MOUNT READY

The smart, modular design makes it easy to install and frame mount.

EXTENSIBLE

Two spare M.2 and USB 3.0 slots with enough capacity for data storage and specific use cases.

www.turris.com

CATCH YOUR HACKER

Turris Sentinel: a distributed dynamic firewall with thousands of updates per day based on real-time threat assessments from the entire Turris ecosystem deployed worldwide.

🛡 **IDS**

🔍 **Netflow monitoring**
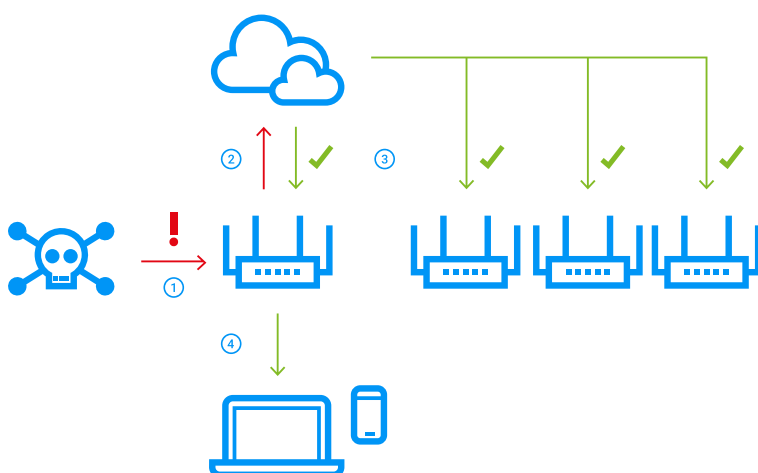
4 500+
attacks on each router per day

2
seconds takes Turris to detect an attack and send an update

15 000
security updates daily

TURRIS SENTINEL

① An attacker tries to infiltrate your network from the Internet and infect your device. Fortunately, there is a Turris router in the way.

② The Turris router tries to lure attackers into man-made traps and then sends all data about the potential attacker to the Turris headquarters. Here, the information is evaluated, compared with data from other Turris routers and analyzed.

③ Whenever an attack is detected, new firewall updates are sent to all routers in real time to prevent this attack from succeeding. In this way, users help to protect each other by sharing information about new security threats.

④ Your home network, containing many devices often without any resistance to outside attacks, is protected.

www.turris.com

SUSTAINABILITY

The longer life cycle of Turris products, thanks to long-term support and upgradable software and hardware, benefits both users and the company as a whole.

LONG-TERM SUPPORT

Updates continue to be provided even for devices older than 10 years, including new features.

UPGRADABLE SW & HW

Frequent software updates and hardware extensibility thanks to M.2 and USB 3.0 slots.

COMPARISION OF TURRIS OMNIA ROUTERS

	Omnia NG	Omnia Wi-Fi 6
CPU	4-core CPU ARMv8 @ 2.2 GHz	2-core CPU ARMv7 @ 1.6 GHz
WAN	1× SFP+ (10 Gbps)	1× SFP+ (2.5 Gbps) or 1 Gbps RJ45
LAN	1× SFP+ (10 Gbps) + 4× 2.5 Gbps RJ45	5× 1 Gbps RJ45 (via internal switch)
Wi-Fi 6 GHz	Wi-Fi 7 (up to 11 530 Mbps)	✕
Wi-Fi 5 GHz	Wi-Fi 7 (up to 8 647 Mbps)	Wi-Fi 6 (up to 2 401 Mbps)
Wi-Fi 2.4 GHz	Wi-Fi 6 (up to 800 Mbps)	Wi-Fi 4 (up to 300 Mbps)
Indicators	240 × 240 px IPS display	12 RGB LEDs
Buttons	reset + D-pad	reset + brightness
Internal storage	8GB eMMC	8GB eMMC
Internal storage extension	1× NVMe	1× mSATA
Cellular connectivity	5G ready	4G ready
Cooling	passive	passive