

Linksys®

Velop WRT Pro 7

Tri-band WiFi 7 Router

Attention OpenWrt enthusiasts! This is the first-ever WiFi 7 Linksys Velop WRT Router built for developers. This true tri-band wireless router provides an ideal foundation for customizing and optimizing your WiFi experience with LuCI UI. Featuring a powerful 1.5 GHz quad-core processor, the Velop WRT Pro 7 supports Multi-Link Operation (MLO), 4K QAM, and OFDMA and enables blistering speeds up to 10,680 Mbps.



Speeds up to 10680 Mbps



OpenWrt LuCI



- 2.5 Gbps Wan Port
- 4x 1 Gbps Ethernet Ports



- **LuCI Interface:** Utilizes the OpenWrt® LuCI web interface for streamlined router management (OpenWrt expert knowledge needed).
- **WiFi 7:** The first-ever WiFi 7 Linksys WRT router built for developers, supporting Multi-Link Operation (MLO), 4K QAM, and OFDMA.
- **True Tri-band Router with WiFi speeds up to 10680 Mbps:** This Router supports three Wi-Fi bands: 6 GHz: Up to 5765 Mbps (using 320 MHz channels), 5 GHz: Up to 4324 Mbps (using 240 MHz channels), and 2.4 GHz: Up to 591 Mbps (using 40 MHz channels).
- **Processor:** Equipped with a robust 1.5GHz quad-core processor.
- **Multi-Gigabit Port:** Features a 2.5 Gbps Internet/WAN port.
- **Ethernet Ports:** Includes 4x 1Gbps Ethernet ports.
- **Thermal Design:** Optimized venting for superior performance and energy efficiency.

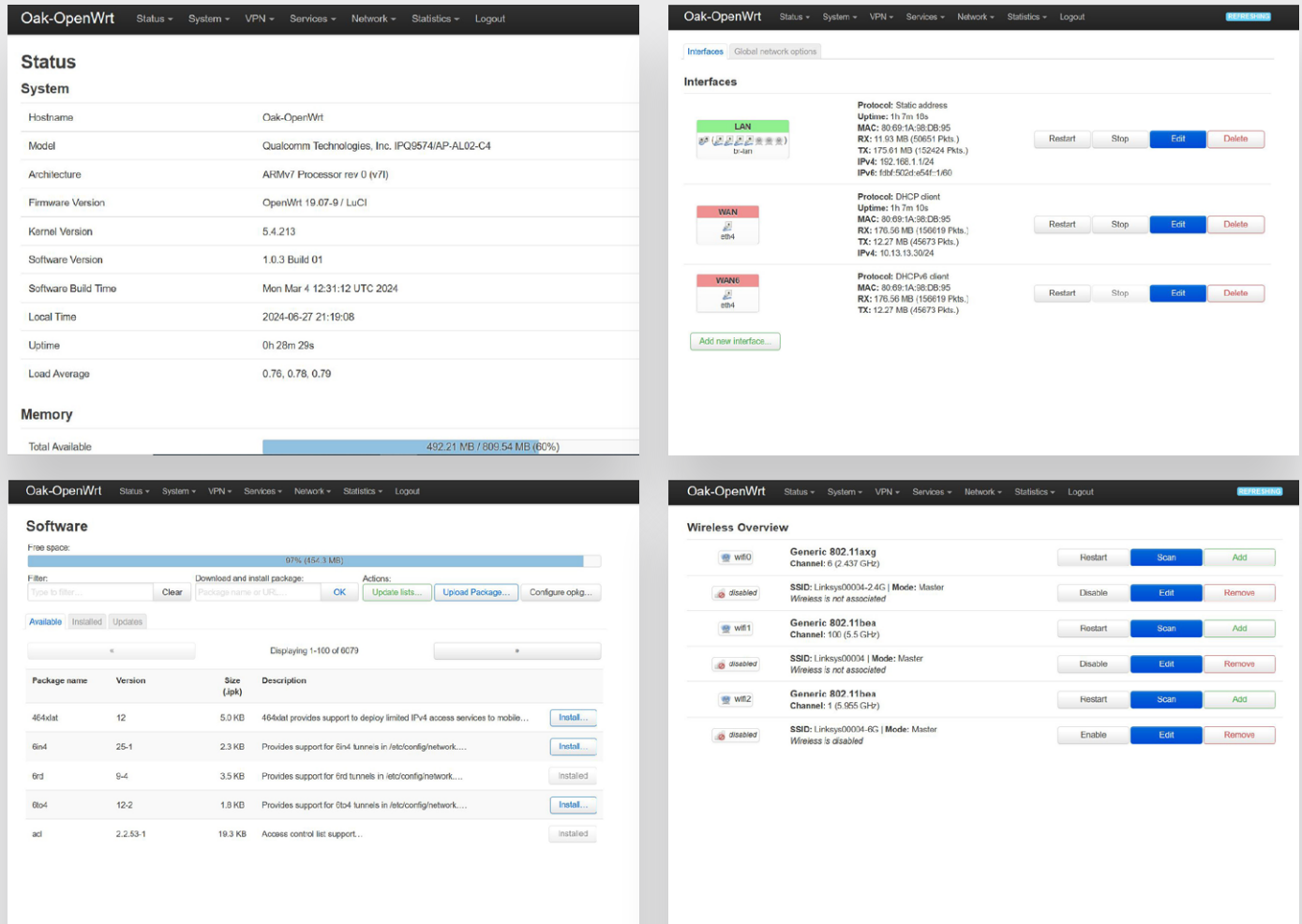
Hardware info

Device Type	WiFi Router
Brand	Linksys
Model	LN6001
Target	Qualcomm® IPQ95XX
Subtarget	Qualcomm® IPQ9574-ap-al02-c4
Package architecture	arm_cortex-a7_neon-vfpv4
Bootloader	U-boot
CPU	Qualcomm® IPQ9554
CPU cores	4
CPU MHz	1500
Flash MB	8Gb eMMC (Samsung - KLM8G1GETF-B041)
RAM MB	1GB DDR4 (SAMSUNG - K4A4G165WF-BCWE)
Ethernet 1Gbit ports	4
Ethernet 2.5Gbit ports	1
Switch	Build in Qualcomm® IPQ9554 (Qualcomm® QCA8075 is PHYs)
VLAN	Yes
WLAN Hardware	Qualcomm® QCN6274 and Qualcomm® IPQ9554 (2.4GHz)
WLAN 2.4GHz	b/g/n/ax - 1K QAM; OFDMA
WLAN 5.0GHz	a/n/ac/ax/be - 4K QAM; OFDMA
WLAN 6.0GHz	ax/be - 4K-QAM OFDMA
Detachable Antennas	No (Internal Antennas)
Bluetooth	BLE
WLAN Comments	No 802.11s mesh support
Button count	3
GPIOs	478 / 504 / 447 (chip)
Power Supply	Output: 12V / 2.5A



LuCI WebUI

While OpenWrt can be managed completely using SSH and the terminal, the LuCI WebUI makes many administration tasks easier.



Requires customer-paid active internet connection, modem with available ethernet port, nearby power outlet, and PC, Mac®, or tablet with WiFi enabled or available ethernet port, latest versions of Google Chrome™, Firefox®, Safari® (for Mac® or iPad®), Microsoft Edge®.

Specifications are subject to change without notice. Speed reflects maximum combined WiFi speeds across all radios per IEEE Standard 802.11 specifications. Actual speed, performance and range will vary, and maximum supported speeds will not be available to all customers due to conditions and variables like building materials and construction, volume of network traffic, mix of wireless products used, interference, your wireless device's WiFi standard, wireless obstructions, and external factors.

2-year HW warranty in EMEA

The chipset supports MLO, but configuration options are unavailable.

Linksys WRT is a commercial open-source software that integrates technology from the OpenWrt community. It is designed for enthusiasts who want to customize their WiFi 7 Router, which supports the 6GHz band, ideal for micro-offices and homes. Linksys WRT actively supports and participates in open-source software, contributing expertise to the developer community. It utilizes OpenWrt as its foundational open-source technology for customization. OpenWrt is a trademark owned by Software in the Public Interest, Inc.

Linksys WRT is GPL 2 compliant.