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 LuCl

• 2.5 Gbps Wan Port

• 4x 1 Gbps Ethernet Ports



- **LuCl Interface:** Utilizes the OpenWrt[®] LuCl 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 Туре	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)			
RAMMB	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.

Oak-OpenWrt Status - System -	VPN - Services - Network - Statistics - Logout	Oak-OpenWrt	Status + System + VPN + Services + Network + SI	tatistics + Logout	REFRESHING
Status		Interfaces Global netwo	ork options		
System		Interfaces			
Hostname	Oak-OpenWrt	LAN	Protocol: Static address Uptime: 1h 7m 18s		
Model	Qualcomm Technologies, Inc. IPQ9574/AP-AL02-C4	LAN 新 (点点点意意意意	TX: 175.61 MB (152424 Pkts.)	Restart Stop Edit	Delete
Architecture	ARMv7 Processor rev 0 (v7I)		IPv4: 192.168.1.1/24 IPv6: fdbf:502d:e54f::1/60		
Firmware Version	OpenWrt 19.07-9 / LuCl	WAN	Protocol: DHCP client Uptime: 1h 7m 10s		
Kernel Version	5.4.213	eth4	MAC: 80:69:1A:98:DB:95 RX: 176.56 MB (156619 Pkts.) TX: 12.27 MB (45673 Pkts.)	Restart Stop Edit	Delete
Software Version	1.0.3 Build 01		IPv4: 10.13.13.30/24 Protocol: DHCPv6 client		
Software Build Time	Mon Mar 4 12:31:12 UTC 2024	VIAN6	MAC: 80:69:1A:98:DB:95 RX: 176.56 MB (156619 Pkts.)	Restart Stop Edit	Delete
Local Time	2024-06-27 21:19:08		TX: 12.27 MB (45673 Pkts.)		
Uptime	0h 28m 29s	Add new interface			
Load Average	0.76, 0.78, 0.79				
Memory					
Total Available	492.21 MB / 809.54 MB (60%	%)			
Oak-OpenWrt Status - System - VPN -	Services v Network v Statistics v Logout	Oak-OpenWrt	Status + System + VPN + Services + Network +	Statistics - Logout	REFRESHING
Software		Wireless Overvie	w		
Free space:	07% (454.3 MB)	Oftw 👳	Generic 802.11axg Channel: 6 (2.437 GHz)	Restart Scan	Add
Filter: Download an Type to filter Clear Package na	d install package: Actions: me or URE OK Upicate lists Upicad Package Config	gure opkg	SSID: Linksys00004-2.4G Mode: Master Wireless is not associated	Disable	Remove
Available Installed Updates		e wif1	Generic 802.11bea	Rostart Scan	Add
κ.	Displaying 1-100 of 6079 •		Channel: 100 (5.5 GHz) SSID: Linksys00004 Mode: Master		
Package name Version Size		alisabled	Wireless is not associated	Disable Edit	Remove
(.ipk) 464xlat 12 5.0 Kl	,	👳 wit2	Generic 802.11bea Channel: 1 (5.955 GHz)	Restart Scan	Add
6in4 25-1 2.3 Ki		Instal	SSID: Linksys00004-6G Mode: Master Wireless is disabled	Enable Edit	Remove
6rd 9-4 3.5 Ki		instaled			
0to4 12-2 1.8 Ki		Instal			
aci 2.2.53-1 19.3 K		installed			
Elever 10.0 h					

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.