

CVE-2023-50224

TP-Link TL-WR841N Authentication Bypass by Spoofing Vulnerability

CISA KEV since Sep 3, 2025

Actively exploited

TP-Link TL-WR841N dropbearpwd Improper Authentication Information Disclosure Vulnerability. This vulnerability allows network-adjacent attackers to disclose sensitive information on affected installations of TP-Link TL-WR841N routers. Authentication is not required to exploit this vulnerability. The specific flaw exists within the httpd service, which listens on TCP port 80 by default. The issue results from improper authentication. An attacker can leverage this vulnerability to disclose stored credentials, leading to further compromise. Was ZDI-CAN-19899.

EVRS 75_{/100} Urgent priority	CVSS V3.1 6.5 Medium · NVD	EPSS 0.200 97.4th percentile · FIRST	CISA DEADLINE Sep 24, 2025 KEV since 2025 · listed over a year
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Signals behind the score

☒ counted in the score ☐ not counted

evidence for 6 of 8 signals

☒ CISA KEV	Listed in the catalog	☐ Vendor exploitation	Confirmed exploitation in the wild
☐ Ransomware	No known ransomware campaign association	☐ KEV recency	Added to CISA KEV within the last two years
☒ EPSS	0.200 probability	☐ Pre-patch disclosure	Disclosure status unavailable
☒ CVSS	Base score 6.5	☐ Microsoft Exploitability Index	Not a Microsoft CVE

Remediation

Patch This Cycle Patch or fixed version identified

CISA required action: Apply mitigations per vendor instructions, follow applicable BOD 22-01 guidance for cloud services, or discontinue use of the product if mitigations are unavailable.
Basis: CISA KEV required action

Affected and fixed versions · 64 more affected products on the NVD record

PACKAGE	AFFECTED	FIXED IN	SOURCE
tl-wr841n firmware	≥ 11_150616 < 11_211209 ≥ 12_160624 < 12_230317	11_211209 · 12_230317	NVD
mr6400 firmware	—	no fixed version listed	NVD
tl-wdr3600 firmware	—	no fixed version listed	NVD
tl-wdr4300 firmware	—	no fixed version listed	NVD
wdr3500 firmware	—	no fixed version listed	NVD
tl-wr710n firmware	—	no fixed version listed	NVD
tl-wr740n firmware	—	no fixed version listed	NVD
tl-wr741nd firmware	—	no fixed version listed	NVD

Sources

Vendor guidance	tp-link.com/en/support/download/tl-wr841n/v12/#Firmware	tp-link.com	tp-link.com/us/support/faq/4308/
NVD	nvd.nist.gov/vuln/detail/CVE-2023-50224	CISA KEV	cisa.gov/known-exploited-vulnerabilities-catalog
ENISA EUVD	euvd.enisa.europa.eu/vulnerability/EUVD-2023-55046	Current data	evulnable.com/vulnerability-management/cve/CVE-2023-50224

Snapshot at generation time. EPSS can move quickly. A public exploit module is not evidence of active exploitation.