

Release Note for Vigor3912 Series

Firmware Version:	4.4.5.1
Release Type:	Critical – Upgrade immediately to address urgent security issues or major system risks
Applied Models:	Vigor3912, Vigor3912S

New Features

- None.

Improvement

- Improved: Improve WebGUI security

Reboot

- Corrected: An issue with experienced high memory usage for Max Connection number of 150K.
- Corrected: Issues with unexpected router reboots related to IPv6 WAN2 port link down/up, and DPDK Anti-Dos support.

VPN

- Improved: Send the next DPD request once again before the router announces the DPD timeout of the VPN connection.
- Improved: Add a note under “VPN and Remote Access>>>PPP General Setup” to explain that Vigor only offers LAN1 IP to OpenVPN clients with AD/LDAP authentication.
- Corrected: An issue with DNS forwarding failed to work over VPN.
- Corrected: An issue that Vigor CPE (e.g., Vigor2925) could not connect to Vigor 3910 via SSL VPN.
- Corrected: An issue with a potential error in "L2TP VPN" where the interface was too large to be stored in an unsigned character.
- Corrected: Issues about typos in the word "XAuth" in "VPN and Remote Access >> PPP General Setup", and the word "Prase error" in Syslog.

Security / TOTP / Port Knocking

- Improved: Allow the Port Redirection/Open Ports/Firewall via Source IP using Domain Name.
- Improved: Improve Internet access stability with enhanced DPDK Anti-DoS mechanisms, including: bypassing ICMP packets, automatically adding DNS server IPs to the whitelist, and supporting the whitelists configured on the Firewall DDoS Setup page.
- Corrected: An issue that App Enforcement did not block QUIC because of outdated signatures.
- Corrected: An issue that the BFP view list in the Dashboard showed a blocked IP count, but

the BFP table appeared empty.

Others

- Improved: Decrypt the QUIC initial packets successfully.
- Improved: Add TR-069 support for VRRP, support for multiple IPv4 VRRP groups.
- Improved: Update the "Firmware Download Link" in the "System Maintenance >> Firmware Upgrade" page.
- Corrected: An issue that wrong IP was displayed in ACS >>Network tree >>Device status.
- Corrected: An issue that the displayed VRRP role status of Master and Backup was incorrect.
- Corrected: An issue which XML with NAT port redirection and Open port configuration did not work until reapplied from the router UI.
- Corrected: An issue with incorrect GeoIP Country Classification.
- Improved: Updated wording from "Applications >> High Availability" to "Applications >> High Availability / VRRP".
- Improved: Update wording from "EasyVPN /SSL Setup" to "EasyVPN / SSL VPN Setup" in VPN and Remote Access.
- Improved: Add the ability to specify IP Alias in Ping Detection (WAN>>Internet Access>>WAN Connection Detection).
- Corrected: An issue with wrong value for DH Group 1 (in "VPN and Remote Access>>LAN to LAN").
- Corrected: An issue with low Rx throughput while Tx was fine.
- Corrected: An issue that the Disable Ping from the Internet stopped working.
- Corrected: An issue that Ping packets were dropped for unknown reasons.
- Corrected: An issue where NAT loopback/openport did not work for IP Alias WAN and TCP.
- Corrected: An issue that REP Conflict WARN: a=0 p=6 t=2 / showed info about Pseudo Port conflict caused by "srv nat pseudocli function 4".
- Corrected: An issue with failure to dial VPN via EasyVPN if ACL configured in System Maintenance>>Management.
- Corrected: An issue that TR-069 did not work properly when STUN server was configured with an IP address.
- Corrected: An issue with Netflow interface index for SNMP.
- Corrected: An issue with an error encountered in the Firewall with User-Based.
- Corrected: An issue with failure to block the Alpmix remote control application.
- Corrected: An issue with a DHCPv6 buffer leakage.
- Corrected: An issue while viewing the dashboard, the router was busy due to a high number of BFP entries.
- Corrected: An issue that Vigor router's APM did not support AP1062C.

Known Issue

- None.