

Release Note for Vigor3910 Series

Firmware Version:	4.3.1
Release Type:	Normal
Applied Models:	Vigor3910

Read First

Due to the WebGUI security issue (fixed in 3.9.6.3), we recommend **changing the passwords** for admin login and password/PSKs for VPN profiles after upgrading the latest firmware from 3.9.6.2 or earlier.

New Features

- Support a new VPN protocol, WireGuard.
- Support USB Storage and USB Thermometer.
- Support PIN Generator for Hotspot Web Portal setup.
- Support SD-WAN feature for managed by VigorACS3.
- Support VPN authentication via Google Authenticator APP (TOTP).
- Support Objects Setting>> Objects Backup/Restore.
- Support System Maintenance >> Webhook, for sending periodic keepalive/heartbeat to the Monitoring Server.

Improvement

VPN:

- Improved: Support schedule for VPN remote dial-in user profile.
- Improved: Support for IKEv2 fragmentation.
- Improved: Support for More Local Network (Multiple SA) on IPsec profile.
- Improved: Support for specifying VPN service to specific WAN interfaces.
- Improved: Support to specify remote VPN gateway with the domain name (LAN to LAN).
- Improved: Add a new option to send notifications when VPN is up for VPN remote dial-in user profile.
- Improved: Add a new VPN option, downtime limit (so that notifications are only sent when the “downtime” has been exceeded in an attempt to decrease excessive VPN tunnel drop log).
- Corrected: An issue of Vigor router assigned reversed IPs for DNS servers for OpenVPN.
- Corrected: An issue of VPN IKE buffer leakage when the VPN peer (Google Cloud) used AES_GCM as the phase1 proposal.

Others:

- Improved: Support for WAN N First for DrayDDNS.
- Improved: Modify TR-069 default settings for France.
- Improved: Apply the LAN DNS to router's internal DNS server.

- Improved: Support the "Bypass" feature for Hotspot Web Portal.
- Improved: Add a new reboot option, "Using current configuration (Normal reboot)".
- Improved: Allow the switch management for VigorSwitch G/P 2100, VigorSwitch G/P 2540x via SWM.
- Improved: Support for either "restore config" or "restore config with specific firmware" on System Maintenance>>Configuration Export.
- Improved: Increase the number of IPv4 object profile up to 500; the number of IPv6 object profile up to 200; and the number of service object up to 500.
- Improved: Increased the IKE authentication timeout from 10 to 30 seconds (when using L2TP over IPsec VPN).
- Corrected: An issue of DNS security.
- Corrected: An issue of SLAB_PANIC log.
- Corrected: An issue of high CPU usage when running many IPsec tunnels.
- Corrected: An issue of IPsec tunnel not established due to no IKE Buffer available.
- Corrected: An issue of Local Router services, like NTP and Mail Alerts, not working via WAN IP Alias.
- Corrected: A reboot issue due to a specific user connected to the router remotely via IKEv2-EAP VPN.
- Corrected: An issue of being unable to save the string object profiles under some situation (e.g. via WAN HTTPS management).
- Corrected: An issue of HA slave config not being changed accordingly by the modification of the HA master.
- Corrected: An issue of no more VPN could be connected after some IKEv2 EAP connection attempt with wrong credentials.

Known Issue

- When the firmware is downgrading via "System Maintenance > Firmware Upgrade", one might have a chance to experience a config compatibility error, which causes the config of a certain function to return to the default setting. To avoid this error, "System Maintenance >> Configuration Export >> Restore Firmware with config" is the preferred way for firmware "downgrading". We suggest backup the config file before upgrading any firmware as well.