

Release Note for VigorC510 Series

Firmware Version:	5.3.2
Release Type:	Regular – Upgrade recommended when convenient, as it includes general improvements and optimizations
Applied Models:	VigorC510 / VigorC510ax

The VigorC510 series is a 5G NR WAN router equipped with four 1Gbps LAN ports. It features an advanced bandwidth control mechanism, including IP-layer control, QoS, NAT session limitation, and bandwidth borrowing, to enable easy, flexible, and reliable access control and bandwidth management.

New Features

- Adjust the maximum number of concurrent VPN tunnels from 4 to 16.
- Add the RTSP protocol for ALG in Configuration>>NAT.
- Support Port Knocking.
- Support LAN Port Mirror in Configuration>>LAN.
- Support multiple schedule profiles for wireless radio control.
- Support Hotspot Web Portal destination IP/domain bandwidth control.
- Support automatic firmware upgrade in System Maintenance>>System Upgrade.
- Support automatic channel selection from user-defined or DFS-excluded channels.
- Support to display the services that are currently running under Monitoring >> Running Services.
- Support to apply NAT inside IPsec VPN to match Remote Network's Firewall Policy / IPsec Phase 2 Network ID for NAT mode.

Improvement

- Improved: Add the WAN connectivity test via VigorACS server.
- Improved: Add a function of Enable Syslog in Configuration>>Routing for displaying the route policy log.
- Improved: Support for WAN Alias IP in Local Services: Time, Product Registration, Mail Client, and DNS Proxy.
- Improved: Enable TCP MSS Clamping to ensure IP phones and alarm devices behind the router can be accessed from cloud management platforms.
- Improved: Support more special characters (e.g., /, -, @,+) to be used in the name of Port Redirection, the password of Product Registration, Password of ACS and CPE Settings and SMS number of Local Admin Account.

- Corrected: An issue with failure to select IP alias interface for local services.
- Corrected: An issue that LAN DNS Forwarding over IPsec VPN did not work.
- Corrected: An issue that IPTV failed to work due to incorrect IGMP Query interval.
- Corrected: An issue that Web Content Filter license unexpectedly changed to inactive.
- Corrected: An issue that IPv6 PPP WAN was offline due to incorrect WAN Detect setting.
- Corrected: An issue with failed authentication for Wi-Fi users who are connecting through an external RADIUS server.
- Corrected: An issue that packets larger than 1400 bytes were not fragmented, and packets larger over 1438 bytes were not forwarded over IPsec VPN.

Known Issue

- None.