



NU series Version 9.0.3.1

[Version History]

v9.0.2_[2019/07/25](#)

v9.0.2.1_[2020/05/04](#)

v9.0.2.2_[2021/08/02](#)

v9.0.2.3_[2022/07/21](#)

v9.0.2.4_[2024/01/18](#)

v9.0.3_[2025/02/18](#)

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Available firmware : 9.0.3(cb0440f4a7dd1344e0b12b939b80cdca71c32900)

HASH

md5 : 122e57f2084565fa8ea6df3e3cac8b2f

sha1 : 72e92b42a7a46056c64715eafc260f8c5ef39262

sha256 : 3b08edab90b3ee78288ea126eb1bab8bb80137b549baae3ed7212064275c8dd4

Installation instruction

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- After the update is installed, the system will automatically restart twice. Please wait 3-5 minutes

Function Specification Description



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- [Status > Dashboard] requires a valid license to be activated.
- [Services > Anti-Virus Engine > ShareTech Engine] requires a valid license to be activated.
- [Sandstorm > AI Sandstorm] requires a valid license to be activated.
- [IPS > AI IPS] requires a valid license to be activated.

Upgrade Notes

[Configuration]

[Basic Setting]

- Adjustments
 - ◆ [Basic Setting] > Homepage Interfaces Setting > Customized



Allows individual display of physical ports in **switch mode**

- ◆ **[Administrative Access] > Security**

TLSv1.1 is disabled by default in factory settings.

- **Bug Fixes**

- ◆ Fixed an issue where the page did not display correctly after login when **[General Settings] > Homepage**

Settings was set to **Dashboard**.

- ◆ Fixed an issue where logs were not generated correctly when **[General Settings] > Drop Session Log** was enabled.

- ◆ Fixed an issue where, under certain conditions, data was not retained according to the configured settings in **[Clear Data]**.

[Date & Time]



- Bug Fixes

- ◆ Fixed an issue where selecting "Asia/Riyadh" as the Time Zone caused abnormal behavior in [Backup & Restore > System Backup]

[Administration]

- Adjustments

- ◆ [System Backup to USB] This feature is now supported on all models
- ◆ [Clear Data] For models using a hard disk, the maximum retention period for Flow Analysis Log and Intranet Protection Log has been extended to **180 days**.
- ◆ [Clear Data] > *WEB Log*

HTTPS connection logs are now included in data retention.

- Bug Fixes



- ◆ Fixed an issue where a **blank prompt/message** appeared after editing settings in **[Administration]** under certain conditions.
- ◆ Fixed an issue where **USB Log Backup** could not **mount backup data** in **[Clear Data]** under certain conditions
- ◆ Fixed an issue where data was **not backed up correctly** when using **USB Log Backup** in **[Clear Data]** under certain conditions.

[Upgrade]

- **Adjustments**
 - ◆ **[Firmware Message]** Added interface prompts and execution restrictions during updates to prevent **duplicate update operations**.
- **Bug Fixes**
 - ◆ Fixed an issue where, in certain environments, update information could not be retrieved due to **restricted**



connection protocols.

[Backup & Restore]

- Adjustments
 - ◆ [Backup & Restore] When **High Availability (HA)** is enabled, the backup file name will include **HA role** information.
- Bug Fixes
 - ◆ Fixed an issue where [ZTA VPN] configuration settings were **not restored correctly** during system restore under certain conditions.

[Notification]

- New Features:



- ◆ [Notification] Added a “Notification Email Subject” setting, allowing a unified subject line to be applied to notification emails.
- ◆ Added [Notification] – “WAF Permanent Block” , enabling notifications to be sent for **WAF blocking events**.
- **Bug Fixes**
 - ◆ Fixed an issue where [Notification] > “DDNS Update Failed” notifications incorrectly sent old records under certain conditions.
 - ◆ Fixed an issue where the notification email content for “ZTA VPN” login failure events was incorrect.
 - ◆ Fixed an issue where notification emails for [Notification] > “Virus Engine Abnormal Notification” were missing a subject line.
 - ◆ Fixed an issue where notification emails were not sent in certain situations.

[Reboot & Power Off]



- **Bug Fixes**

- ◆ Fixed an issue where **[Auto Reboot]** did not execute the **scheduled daily reboot** correctly under certain conditions.

[AP Management]

- **New Features**

- ◆ Added support for **Zyxel models: WBE510D, WBE530, WBE630S, NWA110BE, NWA210BE.**
- ◆ **[AP Management]** SSID now supports **Schedule-based configuration.**
- ◆ **[AP Management]** Added **Advanced Deployment** settings, allowing **granular, per-item configuration** deployment.

- **Adjustments**

- **[AP Management / MAC Filter]** Added informational prompts for features not supported by specific models.



- [AP Management] > Add/Edit > Model.

The model selection menu is now categorized by vendor/brand.

- Removed support for the following AP models: AP-300, Howay2000NI, NWA1100-NH.

[License Status] (Software Version)

- **Bug Fixes**
 - ◆ Fixed an issue where the Backup device could not operate services properly when High Availability (HA) was enabled.
 - ◆ Fixed an issue where the license duration/time was incorrect under certain conditions

[SSL Certificate Settings]

- **Adjustments**



- ◆ When Let's Encrypt TXT validation fails, the system will automatically retry and cancel the certificate request upon expiration.

- Bug Fixes

- ◆ Fixed an issue where **incorrect field format errors** displayed **incorrect prompt messages**.

[Network]

[Zone Setting]

- Bug Fixes

- ◆ Fixed an issue where the **Zone State Diagram** did not display correctly under certain conditions.
- ◆ Fixed an issue where the **HA port** did not correctly display **Speed and Duplex Mode** information.

[Interface]



- Adjustments

- ◆ When "STATIC" is selected in the drop-down menu, the **Add IP** button will be **hidden until settings are saved**.
- ◆ "[Network Bonding] > Mode: **802.3ad (LACP)** now displays **status information**.
- ◆ When changing an **IP address**, a prompt is displayed to indicate its impact on **[VPN] services**, with an option to **apply synchronized configuration changes**.

- Bug Fixes

- ◆ Fixed an issue where "ARP Reply" did not function correctly on the **Bridge interface** under certain conditions.
- ◆ Fixed an issue where an **error message** appeared when saving settings on the **Bridge interface** under certain conditions.
- ◆ Fixed an issue where the page **became unresponsive** when deleting an IP address on the **Bridge interface**.



- ◆ Fixed an issue where **incorrect prompt messages** were displayed when deleting an IP address under certain conditions.

[Route]

- **Bug Fixes**

- ◆ Fixed an issue where **interface information** was displayed incorrectly when switching a **backup WAN** to a **PPPoE line** under **[Designated Gateway]**
- ◆ Fixed an issue where **PPPoE backup configurations** did not operate correctly under **[Designated Gateway]** in certain situations.
- ◆ Fixed an issue where the system could not **switch back to the primary line** correctly after a backup line switchover under **[Designated Gateway]**.
- ◆ Fixed an issue where **rules were not deleted correctly** under **[Designated Gateway Group]**.



- ◆ Fixed an issue where, under [IPv6] [Designated Gateway Group], configuration changes in [Designated Gateway] were **not synchronized**, causing abnormal behavior in certain situations.
- ◆ Fixed an issue where, under [IPv6] [Designated Gateway Group], traffic could only be routed through **the same line** in certain situations.
- ◆ Fixed an issue where BGP routing information was displayed incorrectly under [IPv6] [Dynamic Routing List] in certain situations.

[IP tunnel]

- **Bug Fixes**

- ◆ Fixed an issue where IPsec connections using encrypted mode could not be established correctly under [Add/Edit] in certain situations.
- ◆ Fixed an issue where having multiple tunnel configurations with the same subnet assigned to the tunnel



interface address caused connection abnormalities.

[Interrupt]

- Adjustments
 - ◆ [Software Interrupt] When PPPoE is enabled on an interface, the **software interrupt setting** for that interface will be **automatically enabled**.

[Policy]

[Security Policy]

- Adjustments
 - ◆ Added a tool tip in the rule list for PPPoE interfaces to display the current IP address.
 - ◆ [Add/Edit] > *Source Interface/ Assign Gateway* search is now **case-insensitive**.



- ◆ [Add/Edit] > *Max. Quota(Per Source IP)* now supports **hourly-based metering** configuration.

- **Bug Fixes**

- ◆ Fixed an issue where [Search Rule] > Custom Search did not display query results correctly under certain conditions.
- ◆ Fixed an issue where the interface displayed abnormally when selecting multiple policies during [Move Policy] operations.
- ◆ Fixed an issue where the search function under [Add/Edit] > Source Interface / Assign Gateway did not return correct results in certain situations.
- ◆ Fixed an issue where incorrect error messages were displayed when saving settings under [Add/Edit] in certain situations.
- ◆ Fixed an issue where the menu content under [Add/Edit] > Source Interface / Assign Gateway displayed



abnormally in certain situations.

- ◆ Fixed an issue where [SYN Protection] [Add/Edit] > Network Address Translation could be saved without an IP address configured.
- ◆ Fixed an issue where configuration options under [IPv6] [Add/Edit] behaved abnormally when backup Designated Gateway were configured.
- ◆ Fixed an issue where connections did not fail over immediately when applying a Designated Gateway Group and some lines were disconnected.
- ◆ Fixed an issue where the connection status or name of VPN accounts displayed incorrectly in Source/Destination Network fields within the policy list under certain conditions.
- ◆ Fixed an issue where internal subnet IPs could not be routed correctly to internal services under [IPv6] [Outgoing].



- ◆ Fixed an issue where server load balancing under [IPv6] [Outgoing] [Add/Edit] > | Network Address Translation did not function correctly.
- ◆ Fixed an issue where tooltip information for Firewall Protection Settings did not display correctly in the [IPv6] policy list.
- ◆ Fixed an issue where outbound connections under [IPv6] [Incoming] were not sent via the configured outbound interface in certain situations.
- ◆ Fixed an issue where policy information appeared blank under [IPv6] in certain situations.
- ◆ Fixed an issue where Firewall Protection Settings options disappeared under [IPv6] [Edit] in certain situations.
- ◆ Fixed an issue where PPPoE interface information was displayed incorrectly under [Mapping IP/Port Overview] in certain situations.
- ◆ Fixed an issue where the page could not be displayed correctly under [IPv6] [Network Address Translation].



- ◆ Fixed an issue where, after policy changes, some connections did not follow the updated configuration under certain conditions.
- ◆ Fixed an issue where applying URL rules caused abnormal interface display under certain conditions.

[IPSec Policy]

- **New Features**
 - ◆ [Add/Edit] > Policy now includes IPS configuration options.

[Object]

[IP Address]

- **Adjustments**
 - ◆ [IP Address] [Edit] When modifying settings, a prompt will appear asking whether to clear the resolved



domain IP list.

- ◆ Fixed an issue where [IP Address Group] [Add/Edit] > Region could not be searched using region codes.

- **Bug Fixes**

- ◆ Fixed an issue where, under certain conditions, prompts were not displayed correctly when settings could not be modified due to policy application in [IP Address] [Edit].
- ◆ Fixed an issue where the page loading time for [IP Address Group] was excessively long under certain conditions.
- ◆ Fixed an issue where [IPv6] [IP Address Group] > Selected Other Groups did not display correctly under certain conditions.

[Schedule]

- **New Features**



- ◆ [Add/Edit] > Mode 2 now includes an “Expiration Notification” configuration option.

- Adjustments

- ◆ [Add/Edit] > Mode 3 Improved interface display by adjusting the color indication for the Enabled time setting.

- Bug Fixes

- ◆ Fixed an issue where computer names in the [IP Address] were not correctly distinguished under certain conditions, causing different names to be treated as the same.

- ◆ Fixed an issue where list information was displayed incorrectly under certain conditions.

[QoS]

- Adjustments

- ◆ [QoS List] [Add/Edit] The minimum configurable value has been changed to 10 Kbps.



- Bug Fixes
 - ◆ Fixed an issue where traffic settings under [QoS List] [Add/Edit] were not restricted when exceeding the configured interface bandwidth.

[Application Control]

- Bug Fixes
 - ◆ Fixed an issue where the page displayed abnormally after restoring settings under certain conditions.

[URL Filter]

- Bug Fixes
 - ◆ Fixed an issue where the query time range configured in [Log] did not match the actual displayed data.
 - ◆ Fixed an issue where, under [IPv6], the presence of **IPv4 settings within rules** caused **abnormal filtering**



behavior under certain conditions.

[Firewall Protection]

- New Features

- ◆ [Firewall Protection] > *DNS Attack Detection Threshold Settings* now support **filtering based on DNS query activities.**

- Bug Fixes

- ◆ Fixed an issue where settings under [Firewall Protection] > IP address block / IP address exception were not saved correctly when many entries were configured.
- ◆ Fixed an issue where blocking actions under [Firewall Protection] were not executed correctly under certain conditions.
- ◆ Fixed an issue where the Interface field in [Firewall Protection Log] did not display the full interface name



under certain conditions.

- ◆ Fixed an issue where [Firewall Protection Log] did not display data according to the specified query conditions under certain situations.

[Authentication]

- **New Features**

- ◆ Added configuration options related to **[LDAP]**.

- **Bug Fixes**

- ◆ Fixed an issue where, when “Require Password Change at Next Login” was enabled for [Local User], passwords could not be changed on the SSL VPN and ZTA VPN login pages.
- ◆ Fixed an issue where errors occurred when saving Member Settings under [POP3, IMAP, RADIUS User] [Edit].
- ◆ Fixed an issue where deletion was not prevented under certain conditions when [POP3, IMAP, RADIUS User]



or User/ User Group objects were already applied to other features.

- ◆ Fixed an issue where related feature configurations were not synchronized correctly when deleting accounts under [AD User] > AD Accounts Missing List.
- ◆ Fixed an issue where data was displayed incorrectly when selecting AD-related options under [User Group].
- ◆ Fixed an issue where the detail page of [Log] > Login IP Address displayed abnormally.
- ◆ Fixed an issue where the Server Port setting under [Passwordless Authentication] was changed abnormally under certain conditions.
- ◆ Fixed an issue where users could not log in correctly under [Passwordless Authentication] when the login account was an AD account in certain situations.
- ◆ Fixed an issue where authentication could fail when the same account was applied to multiple services.
- ◆ Fixed an issue where the Internet Authentication login page did not display correctly under certain



conditions.

- ◆ Fixed an issue where AD users did not perform login authentication correctly under certain conditions.

[Services]

[DHCP]

- **Adjustments**

- ◆ [DHCP Black MAC / DHCP Static IP] Added sorting functionality.
- ◆ [DHCP Blacklist MAC] Entries added automatically by the system are now highlighted with color indicators.
- ◆ [DHCP Blacklist MAC] The Computer Name field now displays the name obtained from the DHCP lease.

- **Bug Fixes**

- ◆ Fixed an issue where broadcast address settings on VLAN interfaces were not pushed correctly.
- ◆ Fixed an issue where lease time settings did not match actual behavior under certain conditions.



- ◆ Fixed an issue where an error message appeared when no interfaces were available for configuration under [DHCP Server].
- ◆ Fixed an issue where disabling DHCPv6 caused service abnormalities under certain conditions.

[DHCP Server]

- **New Features**

- ◆ Added DNSSEC signing configuration options under [Domain Settings] [Edit]

- **Bug Fixes**

- Fixed an issue where the page became unresponsive after saving under [Domain Settings] [Edit] in certain situations.
- Fixed an issue where configuration changes were not applied correctly after a temporary line interruption and recovery.



[Anti-Virus Engine]

- **Adjustments**
 - ◆ [ClamAV Engine] Updated to version 1.0.9.
 - ◆ [Kaspersky Engine] Updated to version 8.10.1.
- **Bug Fixes**
 - ◆ Fixed an issue where the [Kaspersky Engine] caused increased CPU utilization under certain conditions.
 - ◆ Fixed an issue where scheduled updates were not executed under certain conditions.
 - ◆ Fixed an issue where caching mechanisms affected anti-virus detection results under certain conditions.

[Sandstorm]

- **New Features**
 - ◆ [Sandstorm] > Added "AI Sandstorm" configuration options (license required).



- **Bug Fixes**

- ◆ Fixed an issue where [Sandstorm Record] did not display data after signature updates under certain conditions.

[WEB Service]

- **Adjustments**

- ◆ [HTTPS Log] Added an Internet Authentication Account field.
- ◆ [HTTPS Log] IPv4 and IPv6 records are now displayed on separate pages.

- **Bug Fixes**

- ◆ Fixed an issue where some web pages could not be accessed after enabling the service.

[High Availability]



- Bug Fixes

- ◆ Fixed an issue where AutoVPN services under [VPN > IPsec Tunnel] continued to operate on the Backup device while in standby mode.
- ◆ Fixed an issue where the synchronization process did not function correctly under certain conditions.

[Remote Syslog]

- Adjustments

- ◆ Added an **IP Address** setting, allowing administrators to **specify the interface IP** used to send log data.

[Advanced Protection]

[Switch]

- New Features



- ◆ Added support for the following **switch models**:
 - ✧ Netgear MS324TXUP (SNMP)
 - ✧ Netgear M4250-9G1F-PoE+ (Co-Defense)
 - ✧ Zyxel GS2220-10HP (Co-Defense)
- ◆ [Network Status] now supports displaying LACP-related information.
- ◆ [POE Schedule Setup] Port-level scheduling is now supported, allowing schedules to be applied per port.
- **Adjustments**
 - ◆ [Switch Setup] [Add/Edit] > Model selection menu is now categorized by vendor/brand.
 - ◆ [Switch Setup] [Add/Edit] > Management Port now includes an HTTPS option.
 - ◆ [Binding List] Optimized processing flow to reduce configuration save time.
- **Bug Fixes**



- ◆ Fixed an issue where SNMP Write connection tests under [Switch Setup] [Add/Edit] behaved abnormally under certain conditions.
- ◆ Fixed an issue where [Switch Setup] > Auto Discovery did not execute properly under certain conditions.
- ◆ Fixed an issue where port icon ordering in the [Network Status] did not match the physical device layout for certain models.
- ◆ Fixed an issue where [Network Status] > Port Details > IP Source Guard information was displayed incorrectly under certain conditions.
- ◆ Fixed an issue where some port images were not displayed in the [Network Status] under certain conditions.

[Intranet Protection]

- Bug Fixes

- ◆ Fixed an issue where IP addresses configured as “Trusted IP Addresses” under [Spoofing Setup] > ARP



Threshold Value still appeared in protection logs under certain conditions.

- ◆ Fixed an issue where incorrect “Abnormal Packet Transmission Volume” records appeared in [IP Collision Log] under certain conditions.

[IPS]

[IPS Setting]

- Adjustments

- ◆ Added “CISA KEV” indicators to CVE-related rules

- Bug Fixes

- ◆ Fixed an issue where options under [IPS Filter Setting] [Add/Edit] > **Advanced Mode** were not saved correctly under certain conditions.



[WAF]

[WAF Setting]

- New Features

- ◆ [Website Management] Added NTLM authentication support.

- Adjustments

- ◆ [Website Management] > Certificate Information

Expired certificates are now displayed in **red text**.

- Bug Fixes

- ◆ Fixed an issue where [Block Page] settings were not removed synchronously when a website was deleted.
- ◆ Fixed an issue where connections failed when traffic passed through the WAF service under certain conditions.



- ◆ Fixed an issue where logs were still generated for rules with logging disabled under certain conditions.
- ◆ Fixed an issue where the WAF service failed to operate under certain conditions.

[WAF Log]

- Bug Fixes
 - ◆ Fixed an issue where the system could become **unstable** when querying **large volumes of log data** under certain conditions.

[Mail Security]

[Anti-Virus]

- Bug Fixes
 - ◆ Fixed an issue where files could not be **exported** from the **[Search Infected Mail]** under certain conditions.



[Anti-Spam]

- Bug Fixes
 - ◆ Fixed an issue where files could not be exported from [Spam Settings] > [Delete] under certain conditions.
 - ◆ Fixed an issue where the [Personal B&W] page displayed incorrectly under certain conditions.

[Mail Log]

- Bug Fixes
 - ◆ Fixed an issue where the [Send] action could not be executed correctly under certain conditions.

[Content Record]

[WEB Record]

- Bug Fixes



- ◆ Fixed an issue where pages under [WEB Search / WEB Virus Search] loaded slowly under certain conditions.
- ◆ Fixed an issue where USB data was not displayed correctly when “Local + USB Data” was selected as the Data Source under [WEB Search / WEB Virus Search].
- ◆ Fixed an issue where the [Export] function could not export complete data under certain conditions.

[VPN]

[IPSec Tunnel]

- **Bug Fixes**
 - ◆ Fixed an issue where changes to the IP address were not synchronized correctly when “IP Address” was configured to use the WWAN interface.
 - ◆ Fixed an issue where status indicator lights were displayed incorrectly under certain conditions.



[SSLVPN Server]

- **New Features**
 - ◆ [SSL VPN Status] Added configuration options for **login failure blocking**.
- **Adjustments**
 - ◆ Optimized [SSL VPN Setup] to improve **interface usability** and **informational prompts**.
- **Bug Fixes**
 - ◆ Fixed an issue where DNS Server / WINS Server settings under [SSL VPN Setup] did not take effect under certain conditions.
 - ◆ Fixed an issue where the “URL displayed upon successful connection” was incorrect when the same account belonged to multiple groups in the [SSL Client List].
 - ◆ Fixed an issue where the Last Connection Time under [SSL VPN Status] was displayed incorrectly.



- ◆ Fixed an issue where AD users could not log in correctly when two-factor authentication (2FA) was enabled under certain conditions.
- ◆ Fixed an issue where having multiple accounts with the same name but different letter casing caused abnormal behavior in certain features.

[L2TP]

- **Bug Fixes**
 - ◆ Fixed an issue where displayed information under [Basic Settings] > Interface IP was incorrect after configuring it using Assisted under certain conditions.

[SD-WAN]

- **Adjustments**



- ◆ [Add/Edit] > Group Name now disallows whitespace characters.
- ◆ [Add/Edit] > Action When set to Deny, non-applicable configuration options will be hidden.
- ◆ Added prompts and restrictions to prevent connection failures when multiple IPSec tunnels use different IKE versions.
- **Bug Fixes**
 - ◆ Fixed an issue where SD-WAN services behaved abnormally because Delete operations were not executed correctly.
 - ◆ Fixed an issue where IPSec functionality became invalid after changing network segment settings.
 - ◆ Fixed an issue where SD-WAN could not be used when IPSec connections used port 4500.
 - ◆ Fixed an issue where packets were not forwarded correctly, resulting in connection abnormalities under certain conditions.



[ZTA VPN]

[Client-to-Site]

- **New Features**

- ◆ [Connection Status] Added configuration options for login failure blocking.
- ◆ [Client software and certificate] Added support for multiple profile switching.

- **Adjustments**

- ◆ [Connection Logs] IP fields now support multiple matching methods.
- ◆ [Client software and certificate] Added the ability to download certificate files.
- ◆ [Client software and certificate] When “**Enable remote connection over the Internet**” is enabled, the downloaded client configuration will enable “**Use Remote Internet Access**” by default.

- **Bug Fixes**



- ◆ Fixed an issue where the interface list under [ZTA VPN Setup] > Local Interface in Use was displayed incorrectly.
- ◆ Fixed an issue where IP changes under [ZTA VPN Setup] > Client Linking Settings could cause connection failures.
- ◆ Fixed an issue where configuring a large number of Push Routes under [ZTA VPN Setup] could cause abnormal behavior in the client software.
- ◆ Fixed an issue where abnormal options appeared in the IPSec selection menu under [ZTA VPN Setup] > Push Route.
- ◆ Fixed an issue where, after deleting a User Fixed IP Address under [Client List], the original IP could not be reassigned to other accounts.
- ◆ Fixed an issue where incorrect prompt messages were displayed when certificates could not be downloaded



under [Page Settings].

- ◆ Fixed an issue where the preview page under [Page Settings] > Download Page Preview did not match the configured values.
- ◆ Fixed an issue where the Last Connection under [Connection Status] was displayed incorrectly.
- ◆ Fixed an issue where enabling [Configuration > Administration > IP Address] caused the Client Download Page to be inaccessible.
- ◆ Fixed an issue where having multiple accounts with the same name but different letter casing caused abnormal behavior in certain features.
- ◆ Fixed an issue where connection detection was affected by policy control settings under certain conditions.

[Tools]

[Connection Test]



- Bug Fixes

- ◆ Fixed an issue where [Port Scan] results were **not displayed correctly** under certain conditions.

[Bug Fixes]

- Adjustments

- ◆ [Schedule List] [Add/Edit] The **Network Interface** field now allows selection of **PPPoE, VLAN, and IP Tunnel** interfaces.

[Log]

[System Operation]

- Bug Fixes

- ◆ Fixed an issue where the feature path was displayed incorrectly when changing "ZTA VPN Log Retention"



under [Configuration > Administration > Clear Data].

- ◆ Fixed an issue where DNS filter log records under [Policy > Security Policy] were incorrect under certain conditions.
- ◆ Fixed an issue where logs under [Network Services > DNS Server > Interface] did not include VPN interface information.
- ◆ Fixed an issue where some displayed fields and data were incorrect under certain conditions.

[Status]

[Connection Status]

- **Adjustments**
 - ◆ [Device List] Names now include references to Address Table entries of type IP/Mask and IP Address Range.
 - ◆ IP addresses outside interface subnets are now highlighted in red.



[Flow Analysis]

- **Bug Fixes**

- ◆ Fixed an issue where records were displayed incorrectly when [Flow Rank] > Statistics Method was set to "Statistics By Authentication" .
- ◆ Fixed an issue where a PHP error occurred when viewing detailed information under [IPv6] [Flow Rank].
- ◆ Fixed an issue where a PHP error occurred during [Export] operations under [Flow Rank Search] in certain situations.
- ◆ Fixed an issue where Outbound Line information under [IPv6] [Flow Rank Search] > Packet Records was displayed incorrectly under certain conditions.
- ◆ Fixed an issue where [DNS Query Rank Search] could not be executed properly.

[Dashboard]



- Bug Fixes

- ◆ Fixed an issue where some detailed information under [Dashboard] > Threat Intelligence was not displayed correctly.
- ◆ Fixed an issue where anti-virus protection information under [Dashboard] > Threat Intelligence was inaccurate under certain conditions.

[Others]

[Management Interface]

- New Features

- ◆ [ZTA VPN] > [Site-to-Site] Added configuration options to support **VPN tunnel connections between devices.**

- Adjustments



- ◆ [Home Page] The Data Space Used indicator now changes color when usage exceeds 90% to provide a visual alert.
- ◆ Improved interface security by removing password field auto-fill attributes.
- ◆ Adjusted layout formatting for certain language versions.
- ◆ Updated and standardized feature names across parts of the interface for consistent display.
- **Bug Fixes**
 - ◆ Fixed an issue where password validation was incorrect when certain special characters were used while changing the administrator account password during first-time login.
 - ◆ Fixed an issue where passwordless authentication binding did not execute correctly under certain conditions.
 - ◆ Fixed an issue where [Home Page] > Data Storage Health Status was displayed incorrectly under certain conditions.



- ◆ Fixed an issue where [Home Page] > Data Storage Usage information was inaccurate under certain conditions.
- ◆ Fixed an issue where system access status information was incorrect when an abnormal status was displayed on the [Home Page].
- ◆ Fixed an issue where the [Export] function failed to execute properly when handling large volumes of data under certain conditions.
- ◆ Fixed an issue where IP-based queries could not be executed correctly in certain interfaces.
- ◆ Fixed an issue where PHP error messages appeared on some pages under certain conditions.
- ◆ Fixed an issue where incorrect account length limits on some login interfaces prevented users from logging in.
- ◆ Fixed an issue where entering the text "test" in certain interface fields triggered an error.



- ◆ Fixed an issue where field names containing emojis caused display abnormalities.
- ◆ Fixed an issue where overly long field values caused display issues on certain interfaces.
- ◆ Fixed an issue where some localized text was displayed incorrectly.
- ◆ Fixed an issue where some English UI text was incorrect or not fully translated.

[ShareTech Authenticator]

- **Bug Fixes**

- ◆ Fixed an issue where server information was still displayed as an IP address when domain binding was used.
- ◆ Fixed an issue where server information containing certain special characters could not be displayed correctly.

[System]



- **Adjustments**

- ◆ Optimized IPS service memory usage to reduce system resource load.
- ◆ Updated the Geolocation IP database.
- ◆ Mail Service (SMTP) now supports TLS 1.3.

- **Bug Fixes**

- ◆ Fixed an issue where input filtering was not properly enforced on some interfaces, potentially causing security risks.
- ◆ Fixed an issue where email attachments could become incomplete after being processed by the mail security under certain conditions.
- ◆ Fixed an issue where the Application Control could cause system crashes under certain conditions.
- ◆ Fixed an issue where web-related services could terminate unexpectedly under certain conditions.