Updated version: 3.3.22.10.21

1. Update the VONETS library version to 2022.10.15;

2. The virtual ICMP function is added to replace the client attached to the bridge to penetrate the special network, saving the trouble of setting or changing the client;

3. Add 802.1x (EAP-MD5) client function, which includes dual functions of device authentication and proxy client authentication;

4. Fixed the bug that was easy to crash in MAC layer transparent transmission mode of previous versions;

5. Fixed the bug of V2NET protocol refresh signal strength;

6. Added support for VAP11AC/VAP11S-5G fan control;

7. Added RS485 timing control switch for VAP11S-232 V7.0 webpage configuration;

8. In the TCP Client mode of the serial port product series, the Keep Alive server function is added;

Updated version: 3.3.22.9.12

V2net search updates the connected wireless hotspot signal strength in real time.

Updated version: 3.3.22.9.11

1. Fixed the bug that failed to reconnect with the upper level hotspot wirelessly after the local hotspot was turned off;

Updated version: 3.3.22.8.30

1. Fixed the bug that DHCP was not refreshed after switching hotspots;

2. Added partial support for automatic test UART;

Updated version: 3.3.22.8.25

1. VAR1200H function optimization:

   a. Fix the BUG of wireless power size switching;

   b. Fix the abnormal BUG of 5G WiFi throughput;

   c. Fix the bug that the routing mode WAN/LAN is unavailable;

   d. Production test: Added fan test;

   e. Production test: fix the bug that the wireless cannot scan the hotspot;

   f. Production test: fix abnormal 5G WiFi RX test;

2. VAP11AC adds routing mode support;

3. New model VAP11G-500S;

4. Added RF parameter support (VAR1200H VER5.0/VAP11G-500S

VER7.0/VM300-H VER5.0);

5. The ICMP function adds a custom parameter "retry times";

6. Memory usage bug;

7. The V2NET modification of the production test part;

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Updated version: 3.3.22.6.15

1.　Fixed the transparent transmission bug of dual-string devices

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Updated Version: 3.3.22.6.7/3.3.22.6.6

1. Optimized the mobile application of the intelligent circulation path, and automatically calculates and sets the alarm threshold when using the signal alarm to switch the hotspot;

2. Added the option of automatic restart when overheating, allowing the wireless network card to restart the device when it is overheated and idle (System Settings --> Advanced Settings);

3. Added option to switch hotspots based on ICMP query results;

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Updated version: 3.3.22.5.26

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1. Added emergency hotspot function. Emergency hotspots are only for temporary use. Combined with the ICMP query function, the most economical hotspots can be automatically selected;

2. Added the function of switching hotspots based on ICMP query results;

3. Added application scenario options, in which the relevant mobile application types are suitable for applications such as robots, mobile trolleys, and rail vehicles;

4. A new mobile application that intelligently recognizes loops or regular paths has been added, which improves the speed of hotspot switching during moving;

5. Fixed the bug of scanning hotspots when there is no hotspot environment;

6. Optimized the dynamic whitelist function;

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Updated version: 3.3.22.4.19

1. Fixed the bug of the watchdog (which would cause a false restart);

2. Fixed the problem that the VM300/VM5G/VAP11S-232 series, after the forwarding service is turned on, the standby current is large when the serial port is not connected.

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Updated version: 3.3.22.4.13

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1. Fix the bug that TCP-Server cannot set the maximum number of clients;

2. Fixed the bug that SYN could not synchronize 5G SSID;

3. Fix the bug that the WiFi client list on the status page is repeated;

4. Fixed a bug that failed to close WiFi hotspot;

5. Optimized the problem of automatic writing errors when the flash memory is read incorrectly when the power supply is unstable.

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Updated version: 3.3.22.4.7

1. Fixed the bug of exporting serial port parameters incorrectly;

2. Fixed the bug that the status of the allow_connect command indicator was wrong;

3. Added the force_auto_connect command, which is used to force an immediate and automatic connection to the upper-level hotspot through the AC command.

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Updated version: 3.3.22.4.6

1. Solved the bug of browser scanning;

2. The maximum value of the automatic scan interval is changed to 600 seconds;

3. The dynamic whitelist is disabled by default.

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Updated version: 3.3.22.4.1

1. Fixed the bug of incorrect configuration of QQ browser;

2. Fixed the bug of V2NET management protocol.

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Updated version: 3.3.22.3.30

1. VM5G/VM300/VAP11S-232 serial port forwarding function has added TCP-Server mode:

    1.1 The maximum number of connections is limited to 10 clients, and 10 clients can use it at the same time when using "VONETS format forwarding";

    1.2 When using "instant forwarding" and "text line forwarding", only the last connected client is the active connection for forwarding, and the idle connection at this time helps the client to quickly disconnect and reconnect;

    1.3 The connection timeout of the client can be set through the configuration page. Once the client does not have any data activity within the timeout period, the connection will be closed and released;

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2. The online upgrade function has been optimized again, and the flash memory verification has been optimized;

3. The shutdown monitoring of the PC-side configuration page is extended to 30 seconds, that is, 30 seconds after the PC-side configuration page is closed, the device will change the user's login status to logout.

Update version: 3.3.22.3.23

1. Fixed the bug that the factory default value of version 3.3.22.3.22 was wrong;

2. Added the parameter "Auto Scan Interval" (Scan Configuration Page-->Advanced Configuration-->Connection Parameters), which is convenient for customers to adjust the automatic scan reconnection period (1~300 seconds) after the device is disconnected;

Update version: 3.3.22.3.22

1. The online upgrade function has been optimized, the download firmware is changed to asynchronous operation, and the prompt is more accurate; the self-verification function of writing flash memory has been added, and the flash memory can be rewritten by clicking the button for verification errors to prevent the failure of flashing;

Update version: 3.3.22.3.20

1. Optimized serial port receiving processing (especially for VONETS format forwarding), and increased concurrent receiving and sending capabilities;

2. Fixed the bug of dual serial data sending and receiving serial packets;

3. Automatically stop data forwarding after logging in to the configuration page, and automatically activate data forwarding after logging out;

Update version: 3.3.22.3.17

1. Wireless connection function optimization

    1.1 In SSID matching mode, a dynamic whitelist is made for hidden hotspots (that is, those with the most recent successful connection record) Function optimization, whitelist priority connection. Non-hidden hotspots do not support dynamic whitelisting.

    1.2 The matching hotspot with the most recent wrong connection record will be

connected later (to improve the speed of disconnection and reconnection). This function is equivalent to the dynamic whitelist, but it is more reliable than the dynamic whitelist.

1.3 Changed the method of disconnection and reconnection. When multiple hotspots match in one wireless scan, they will be connected one by one, and the next scan will not be performed until all of them fail (conducive to improving the disconnection and reconnection speed)

2. V2NET function optimization (serial port management and serial port transparent transmission)

2.1 Serial port reception adds RX mode options: packet mode and stream mode, packet mode supports packet interval setting, and reasonable interval setting can ensure that data packets are not discarded or spliced (Note: The actual packet sending interval must be greater than the set packet interval) ;

2.2 Optimized the serial port receiving and sending application layer interface;

2.3 Added allow_auto_connect command, which can dynamically enable or disable the automatic scanning connection function of the device;

2.4 When TCP is forwarded, SOCKET is set to NO_DELAY mode, that is, real-time forwarding (if the packets are not grouped together, there will be a 40ms delay problem);

3. Configure web page optimization

3.1 The status page was changed to refresh local parameters instead of the whole page, and the code was optimized;

3.2 The wireless login and wired login are treated differently. In wireless login mode:

> The automatic scanning connection function of the device will be automatically disabled, and the automatic cancellation will be disabled after logging out for 20 seconds;

>The <Auto Refresh> function button of the status page is canceled.

3.3 The same user will no longer set the timeout limit when logging in to the configuration page through different devices, and can log in in real time by changing devices at will;

3.4 Optimized the task assignment of serial port forwarding and configuration page service, making serial port forwarding more efficient and web service smoother;

4. Added watchdog

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Update version: 3.2.21.12.16
update content:
1. Fix the bug that the connection is lost during the web configuration process of WIN10 and above systems;

Update version: 3.2.21.11.18

update content:

1. Added support for new model VAP11S-232;

2. Added support for the new model VAP11S-481/482.

Update version: 3.2.21.11.1

update content:

1. Added the functions of enabling dynamic whitelist and enabling dynamic blacklist;

2. Added the function of filtering the hotspots connected by Apcli according to the BSSID head and tail;

3. Added the function of filtering hotspots connected by Apcli based on signal strength;

4. Added the function of Apcli to adjust the number of authentication handshake times (for use in harsh environments);

5. Removed the original smart matching option.

Update version: 3.2.21.9.15

Update content:

1. The serial port communication test is added to the device when it leaves the factory.

Update version: 3.2.21.8.6

Update content:

1. Data forwarding service adds support for VONETS format forwarding;

2. Added VAP11S_5G V4.0/VM300-H V5.0 RF parameter support;

3. Specify the OEM to request an update.

Update version: 3.2.21.7.13

Update content:

1. Added VAP11S V4.0/VAP11G_500 V5.0/VM5G V6.0 RF parameter support;

2. V2NET protocol (V2.4) optimization, support mobile phone configuration APP VCC-V21.7.9;

3. V2NET serial port forwarding UDP mode adds the function of allowing broadcast;

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4. 5G equipment removes the overheating protection function.

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Update version: 3.2.21.4.16
Update content:
1. The basic WiFi settings increase the frequency range selection function;
2. Under bridge mode, DHCP server adds lease setting function.

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Update version: 3.2.21.3.15
Update content:
1. V2NET protocol optimization, support mobile phone configuration APP
VCC-V21.3.26;
2. Optimize the import and export function of configuration parameters;
3. Optimize some web page display issues;
4. Add some equipment RF parameter support;

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Update version: 3.2.21.1.16
Update content
1. Modify the bridge mode to make the configuration wizard page exist all the time to
reduce the waiting time for entering the configuration web page;
2. Add models: VM300-L and VM300-H.

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Update version: 3.2.21.1.14
update content
1. Optimize the IP distribution mode of DHCP server;
2. V2net protocol optimization, compatible with VCC 1.47;
3. Add VM300 V4.0 RF parameter support.

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Update version: 3.2.20.12.10
update content
1. Fix the DMZ port filtering bug in device routing mode.

Update version: 3.2.20.12.2

update content

1. The V2NET protocol search command returns an unsigned long integer with millisecond level of running time.

Update version: 3.2.20.11.28

update content

1. Optimize the serial port data forwarding function of the module device;
2. Added device temperature display on the 5G device status page;
3. V2NET protocol newly added equipment running time and equipment temperature return;
4. Support mobile phone configuration software VCC V1.46.

Update version: 3.2.20.11.6

update content

1. Devices with 5G frequency band have added overheating protection and temperature compensation functions;

Update version: 3.2.20.9.28

update content

1. Added VAP11S OEM NDTackle;
2. Update VAP11S_5G V2.0 RF parameters.

Update version: 3.2.20.9.10

update content

1. Added VM5G V4.0 RF parameter inside the software.

Software version 3.2.20.8.10

update content

1. In routing mode WAN port WIFI access, the IP acquisition method (DHCP or static binding) is added;

Software Version: 3.2.20.7.14

update content

1. The user name and password are incorrectly modified by the mobile APP;

2. The interface of the regular restart device function has been modified and improved;

Software Version: 3.2.20.7.10

update content

1. Restart the webpage regularly to submit BUG;

2. The matching option of the upper-level hotspot---Allow smart matching. The default value is changed to disabled!

Software Version: 3.2.20.7.7

update content

1. Fix the RSSI display error BUG;

2. The timing restart function adds an item to restart timing according to the system running time;

Software Version: 3.2.20.6.22

update content

1. Repair V2NET scanning BUG;

2. Optimize the wireless connection function;

3. Add the function of automatically selecting the wireless channel according to the signal quality;

Software Version: 3.2.20.6.1

Update Content

1.Modified the upgrade bug of 3.2.20.5.18

2. Added the indicator display reminder that the device needs to be restored to factory operation (intermittent flashing)

Software Version: 3.2.20.5.18   (Only for VM300 and VM5G)

Update Content

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1. V2NET serial port data forwarding adds support for TCP;
2. Added VM5G_3v0 and VM5G_1V0 optimized RF parameters;

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Software Version: 3.2.20.5.11
Update Content

1. The VM5G 2.4G transmit power is changed to two options, and the VM5G RF parameters are updated;
2. The maximum number of scanning hotspots is increased to 256;
3. Modified the BUG of V2NET response

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Software Version: 3.2.20.4.18
Update Content

1. Expand the number of memory hotspots to 100;
2. Expand the upper limit of the number of scanning hotspots, 128 for single band and 256 for dual band;
3. Optimized the hot spot scanning process, intelligently adjusted the scanning process according to the environment, and improved the scanning efficiency and stability.   This can greatly speed up the disconnection and reconnection speed, especially in the environment with a large number of hot spots;
4. Support SSA_1.2 version motion detection signal and early warning protocol;
5. Support V2NET serial port forwarding protocol version 2.0 (applicable to V series module products);
6. Support V2NET management service protocol version 2.0;

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Software Version: 3.2.20.4.13
Update Content
1. Expanded NV space, allowing the maximum storage up to 100 memory hotspots;
2. Upgraded SSA protocol to version 1.2
3. The maximum number of hotspot scan lists has been increased to 120

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Software Version: 3.2.20.3.6
Modification:

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1. Fixed the wizard page error in routing mode;
2. Fixed the BUG that manually adding hidden hotspot (without MAC authentication) failed to connect.

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Software Version: 3.2.20.2.23
Modification:

1. In the SSID matching mode, a smart matching option is added. When this function is enabled, the device will automatically generate dynamic black and white lists according to the connection status of all hotspots it has connected, so that the device can quickly and automatically select hotspots for connection. This is especially applicable if the hot spots covered by the application scene are all hidden SSIDs. (Suitable for various applications in mobile scenes);

2. When starting the mobile hotspot switching hotspot function, the original design was to automatically switch hotspots when the hotspot signal was below the warning threshold. This version adds an optional condition for mobile switching (signal drop condition), that is, when the device is in motion and the signal drop exceeds the warning threshold, the device will also automatically switch hot spots. Automatically switch hotspots if one of the two conditions is met;

3. When the dual-band device is enabled with start detection switching function and heat energy, when one band connection is added, the other band alternative connection is prepared for possible hotspot switching. If the dual-band hotspots are well arranged, the device configuration is reasonable and fast Hotspot switching, the fastest reach 2 seconds, usually within 5 seconds to complete hotspot switching;

4. Hotspot signal display and signal strength sorting, increase the use and display of dbm value, make the signal sorting more real and reasonable, and automatically select hotspot function is more superior. (The SSA protocol also increases the reporting of dbm values synchronously);

5. Optimized the automatic refresh function of the status page, which is more convenient for the operation of engineering applications；

6. The operative status page adds the display of the MAC address of the wireless upstream network card;

7. Fixed some bugs that connected to hotspots in complex environments.

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Software Version: 3.2.19.12.31

Modification:

1. New configuration wizard function added on the webpage, which only appears after factory reset, and disappears after the webpage configuration parameters;
2. New add data management service (AC management), UDP data management service is enabled by default;
3. New add serial port data forward service, only for VM300 and VM5G (Be off by default);
4. Fixed the BUG that the hotspot list could not be obtained when scanning failed to connect to the wireless hotspot;
5. Fix the BUG that WEP encryption algorithm can not connect;
6. Fix the firewall application BUG.

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Software Version: 3.2.19.9.12
Modification:

1. Changed manual and automatic hotspot scanning mode, the original timed scan was changed to real-time scanning, and the two scanning intervals were changed to 2 or 6 seconds;
2. Fixed a bug where hotspots are not fully scanned;
3. The connection hotspot speed is faster, the connection time is : 2.4G for 6 seconds and 5G seconds for 9 seconds;
4. Update test script
5. Support Chinese SSID of utf-8 encoding.

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Software Version: 3.2.19.8.20
Modification:

1. Turn off NTP timeout by default
2. Web page: When the NTP pair is closed, if the timing function is configured, a prompt message will pop up.
3. Cancel nvram check failure restart operation;

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Software Version: 3.2.19.8.17
Modification:

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1. New added VAP11AC 5.0 RF parameters;

Software Version: 3.2.19.8.12
Modification:
1. Fixed PPPoE dial BUG;
2. After the device is powered on, the nvram verification error occurs, after three re-initializations still fail, restart the device to solve the problem.

Software Version: 3.2.19.6.5
Modification:
1.Fixed a bug where ntp did not add & when starting in the background;

Software Version: 3.2.19.3.26
Modification:
1. Newly added Ntp function (network time, time switch WIFI function, WIFI time connection function (MT7620 does not enable this function), and timed restart device function);
2. Wifi password special character support;
3. Extra network port disable function (disable 0 or 4 ports), dedicated to power saving;
4. Test page new added OEM parameter pre-installation function;

Software Version: 3.2.19.1.23
Modification:
1. Black Login page username, password box;
2. Import and export BUG, add restart prompt
3. New added VAP11S_5G V2.0 RF;
4. New added VAP11AC V4.0 RF;

Software Version: 3.2.19.1.22
Modification:
1. Test page adds SSID display;
2. VAP11S VAP11S_5G, the expansion network port will be opened before the factory is restored.
3. If the factory is not restored, the next time you enter the web page, the factory reset

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page will be displayed.

Software Version: 3.2.19.1.20

Modification:

1. Ad image BUG

2. Optimize the compiled file size: delete some OEM images after compilation

3. New added OEM21: 3IECR;

4. New added VAP11S V2.0 RF parameter;

Software Version: 3.2.19.1.19

Modification:

1. Solve the problem of boot failure;

2. Wifi MAC value bug (the modified mac value is +1 in order);

3. New added extended LAN port function;

4. New added models: VM5G, VRP5G_1200, VAP11S_5G and VAP11S;

Software Version: 3.2.18.12.10

Modification:

1. Support VAP11AC 3.0 High Low power swtich;

2. All models default are low power;

3. 5G production test wifi device changed to 11N mode;

4. Fixed an occasional bug that could not be reconnected

Software Version: 3.2.18.11.27

Modification:

1. Change the state of the factory light;

2. Fix the crash caused by boot memory crash;

3. 5G default wireless network mode changed to 11N (formerly is 11AC/A/N);

Software Version: 3.2.18.10.12

Modification:

1. Change the login webpage ad image

2. Ad page changed link address

3. Change the 5G band enhanced transmit power to 23dBm

Software Version: 3.2.18.9.29

Modification:

1. Optimized WiFi Driver, start more stable

2. Fixed the BUG that indicated the error was displayed

Software Version: 3.2.18.9.28

Modification:

1. Solved the bug that can't be started occasionally

2. Optimized WiFi driver

3. Solved the bug that the same frequency hotspot parameter suffix has a space

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Software Version: 3.2.18.9.25

Modification:

1. Optimized system kernel and application SDK;

2. Added MAC layer transparent bridge function, completely solved the problem of connection penetration with some encryption products

3. Optimized 802.11AC WiFi driver

4. Status page adds signal strength display for connected hotspots

5. Status page adds RSSI display for connected WiFi clients

Software Version: 3.2.18.8.7

Modification:

1.   Solved the bug of SSID length overflow;

2.   Fixed the bug that the scanning configuration page could not close hotspot;

3.   Fixed a bug in stuck transfer after connection

4.   Fixed a bug that 5G could not scan individual channels;

5.   Fixed the BUG that 5G can not set 132, 136, 140, 165 channel;

6.   Fixed the bug of 5G indicator error.

Software Version: 3.2.18.6.8

Modification:

1. Added SSA _1.1 (WiFi signal strength remote warning) function for mine robot applications;

2. VAR5G/VRP5G adjustable WiFi transmit power, factory default is enhanced power;

3. VAR5G's routing mode WAN port connection method adds WiFi connection mode;

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4. More stable and reliable bridge function;

5. WEB configuration page ==> Operation mode has been changed to make different models available;

6. Added more configuration options for configuration parameters import and export function;

Software Version: 3.2.18.5.15

Modification:

1. The authorization MAC display of the production test page is changed to 5G network card MAC

2. Modified the authorization BUG, the test page after authorization can display the correct 5G network card MAC

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Software Version: 3.0.18.5.9

Modification:

1. Solved the bug of hiding SSID connection;

2. The memory list of the status page adds BAND

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Software Version: 3.0.18.5.6

Modification:

1. Solved the BUG of scanning hot spots after turning off WiFi hardware;

2. After solving the 5G configuration hotspot, in the case of disconnection, clearing the hotspot operation leads to the burning of the BUG;

3. After the new hotspot is configured, the current hotspot connection is automatically stopped, and the status page can be connected to the new hotspot immediately without restarting;

4. Speed up the hotspot connection speed, 10 seconds less than the original;

5. Optimized the disconnection between the dual-frequency hotspots, the dual-frequency motion detection parameters are independent;

6. Optimized motion detection and fast switching hotspots;

7. Added IPhone or SKY-Q hotspot connectivity to 5G;

8. Optimized code structure to make code maintenance clearer;

9. Changed LED control to make it modular, changed the instructions for restarting and restoring the factory;

10. Removed the dynamic matching parameter option;

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Software Version: 3.0.17.9.20

Modification:

1. Limit SSID to no more than 32 characters;

2. Compatible with manually entering SSIDs with spaces;

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Software Version: 3.0.17.9.19

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N-300	4.0/1.0
VAP11G-300	6.0/5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0
VAP11G-500	5.0/4.0
VAR11N-300	2.0/1.0
VAR11N PLUS	5.0/4.0/3.0/2.0/1.0

Modification:

1. Compatible with Sky Q router and IPhone wireless hotspot;

2. In VAR11N-300 router mode, WiFi connection is added in WAN setting;

3. Fix high/low power switch BUG (this is just applicable for VAP11G-300).

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Software Version: 3.0.17.9.7

Applicable product model: VAP11G_300

Modification:

1. The digital progress of hot spot connection is added in Operative Status;

2. Automatic refresh button is added in Operative Status;

3. Added Enhancement power software parameters in VAP11G-300 V6.0 hardware.

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Software Version: 3.0.17.8.5

Applicable product model:

Product Model	Hardware Version
VAP11N_300	4.0/1.0

I'm a grain of sand on the beach, but I can be found in public

HTTP://WWW.VONETS.COM

| VAP11G_300 | 5.0/4.0/3.0/2.0/1.0 |
| VRP300-PLUS | 3.0 |

Modification:

1. The status of "Connecting" is added in Operative Status;

2. When you log in Configured Web page, the device can do connection action;

3. Added import and export of configuration parameters;

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Software Version: 3.0.17.5.24

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11N PLUS	5.0/4.0/3.0/2.0/1.0

Modification:

1.Fix IE8 web page Display BUG;

2. By default, the function of dynamically matching WiFi parameters is enabled.

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Software Version: 3. 0. 17. 5. 21

Applicable product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

1. Fix the hot spot scanning configuration web page in bridge mode, after hot spot parameters are configured, the default is disable DHCP service, in order to avoid

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network conflict in application;

2．Revise LAN port configuration web page in bridge mode.

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Software Version: 3.0.17.5.12

Application product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

1. Fixed the compatibility issue of VDNS feature and IOS system;
2. Optimized hot-scan configuration page;
3. Optimized WiFi signal strength algorithm;
4. Changed scan configuration page, added advanced features (motion detection and match mode), enable to turn off local hotspot;

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Software Version: 3.0.17.5.9

Application product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

1. Revise WiFi hotspot search configuration page；
2. Fixed can't connect the SSID with spaces

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Software Version: 3.0.17.4.19

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11N PLUS	5.0/4.0/3.0/2.0/1.0

Modification:

1. Added support for hotspots with space SSIDs;

2. Optimize the motion detection algorithm

3. Fixed a bug that caused the connection to break due to wireless signal jitter.

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Software Version: 3.0.17.4.13

Applicable product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

1. Optimized motion detection algorithm;

2. Allows the scan to be scanned again when the match is unsuccessful.

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Software Version: 3.0.17.3.31

Applicable product model:

Product Model	Hardware Version

MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

Bridge mode hotspot search interface to increase the MAC address.

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Software Version: 3.0.17.3.30

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
VAR11N_300	2.0/1.0
VAR11N PLUS	5.0/4.0/3.0/2.0/1.0

Modification:

1. Changed the status page BUG;

2. Improve the WIFI Setting to add hotspots.

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Software Version: 3.0.17.3.29

Applicable product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VRP300-PLUS	3.0

Modification:

Resolved bridge mode to router mode (WIFI access mode), switch the subsequent routing function BUG.

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Software Version：3.0.17.3.28

Applicable product model: VAP11G_500

Modification:

1. Modified the scan page for IE compatibility issues；

2. Modified WAN / LAN attribute error.

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Software Version：3.0.17.3.27

Applicable product model: VM300

Modification:

1. Resolved browser compatibility issues；

2. Solve routing function BUG in the routing mode.

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Software Version：3.0.17.3.26

Applicable product model: VM300

Modification:

VM300 routing mode increases the WIFI connection.

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Software Version：3.0.17.3.25

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:

Added support for hidden SSID blacklist

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Software Version：3.0.17.3.23

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Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:

1. Added support for hidden SSID hotspots
   - 1.1 Hidden SSID hotspots can not use WEP encryption, otherwise there will be connection status error;
   - 1.2 Manually add hidden SSID hot spots to be checked when "this is hidden hot spots"
3. Solve the boot occasionally crash BUG.

Software Version：3.0.17.3.22

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:

After the login with the source hotspot disconnected into a continuous line.

Software Version：3.0.17.3.21
Applicable product model: VM300/VAR11N_300
Modification:
Modified the routing mode PPPOE BUG

Software Version：3.0.17.3.20
Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:
1. Added support for TP-LINK Fit mode;
2. Added support of WEP;
3. Changes the way the device works when logging in to the configuration page, and forces the connection to the source hotspot after login.

Software Version：3.0.17.3.18
Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0

VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAP11G_500	5.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:

1. Solve the hot after many times to switch after the crash BUG
2. Optimized VDNS login speed, optimized configuration page domain name login speed；
3. Modified the bridge mode DHCP service, Inform response BUG;
4. Enhanced web browser compatibility for web browsers.

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Software Version：3.0.17.3.11

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:

1. Fundamentally changed the wifi disconnected mechanism, greatly speeding up the reconnection speed;
2. Enhance the stability of the memory hotspot automatic connection function, speed up the speed of switching between different hot spots;
3. Launch the WiFi signal motion detection feature, so that the device has the ability to automatically connect the best hotspot in the mobile environment, very suitable for the use of intelligent robot industry.　The automatic switching between different hotspots takes only 4 seconds;
4. Support two matching modes to connect WiFi hotspots: exact match, SSID and

password matching, greatly facilitate the application of different types of users;

5. In the exact match mode, there are batch add hotspot feature (memory hot list), batch add hotspots up to 10;

6. In SSID and password matching mode, there are hotspots (blacklist) with no ban connection, up to 20 blacklist;

7. Optimize the indicator light, so that the light reflects the signal strength of the real-time better.

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Software Version：2.0.21.28.28
Applicable product model: PM5G/VRP5G/VAR5G
Modification:
1. Fixed WiFi Settings -> "the source hotspot password" of Security settings " to "Password";
2. Setting Submit automated production test code;
3. Add the "Automatically connect the strongest memory hotspot" option

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Software Version：2.0.21.28.27
Applicable product model:

Product Model	Hardware Version
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAR11N_300	2.0/1.0
VAR11NPlus	5.0/4.0/3.0/2.0/1.0
VRP300Plus	3.0

Modification:
Add new device model: VRP300P-PLUS.

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Software Version：2.0.21.28.24
Applicable product model:

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Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	5.0/4.0/3.0/2.0/1.0
VAR11N_300	2.0/1.0
VRP300	4.0/3.0/2.0/1.0
VRP5G	2.0

Modification:

1. After the bridge device starts automatically select the strongest wifi signal hot spots in the memory list.

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Software Version：2.0.21.28.23
Applicable product model:VOPWRT/MINIOP

Modification:

1.Login interface to increase the display WiFi connection status function;

2.Change login webpage and ad link.

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Software Version：2.0.21.28.22
Applicable product model: VGA1000/VAA1000

Modification:

1. Solve VAA1000 VGA1000 21 version BUG;

2. Fix Aerial camera configuration bug;

3. Fix VDNS DHCP BUG

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Software Version：2.0.21.28.21
Applicable product model: VGA1000/VAA1000
Modification:

1. Add The status page shows whether VAA is connected;

2. Camera list online update ok, automatically refresh the page;

3. Click "Apply", if the manual mode, the first "add / edit" operation, and then

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   submit;

4. Add the "VGA default SSID prefix" option.

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Software Version：2.0.21.28.20

Applicable product model: VGA1000/VAA1000

Modification:

1.Optimize the aerial camera configuration page layout;

2.Delete myac super account, admin account login is ok;

3.Add "add" and "delete" camera button;

4.Add VAA forbidden 2.4G WiFi option;

5.The maximum camera qty is 20;

6.Update change to Online update camera list;

7.5G driver BUG fix;

8.Add the aerial camera automatic and manual mode switch.

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Software Version:2.0.21.28.19

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11N_300	4.0/1.0
VAP11G_300	4.0/3.0/2.0/1.0
VAP11G_500	4.0/3.0/2.0/1.0
VAR11NPlus	2.0/1.0
VRP300	4.0/3.0/2.0/1.0
VHA300Plus	2.0/1.0
VHA300_SMART	3.0/2.0/1.0
VRP5G	2.0

Modification:

1. Fix Local ip memory hotspot automatically reconnect BUG；

2. Ad router BUG fix;

3. Change Configuration page "Ip" to "IP"

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Software Version：2.0.21.28.17

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAP11G_300	4.0/3.0/2.0/1.0
VAP11G_500	4.0/3.0/2.0/1.0
VAR11NPlus	2.0/1.0
VRP300	4.0/3.0/2.0/1.0
VHA300Plus	2.0/1.0
VHA300_SMART	3.0/2.0/1.0

Modification:

1.LED light reuse status changed.

3.In bridge mode, the function of disable the device WiFi is added

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Software Version: 2.0.21.28.11

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAR11N PLUS	2.0/1.0
Magic4G	1.0
VM3G	1.0
VRP300	4.0/3.0/2.0/1.0
VHA300	2.0/1.0
VHA300_SMART	3.0/2.0/1.0

Modification:

1. Improved the related content of 3G dialing;

2. Modify the LED status display of the device;

3. The main page of the device is changed to non-flash page, new add the login page advertisement;

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4.VHA300_SMART new add VNET_GPIO function;

5. Add EEPROM checksum function;

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Software Version: 2.0.21.28.3

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAR11N PLUS	2.0/1.0
Magic4G	1.0
VRP300	4.0/3.0/2.0/1.0
VHA300	2.0/1.0
VHA300 PLUS	3.0/2.0/1.0

Modification:

1.Fixed the BUG, when logging in the configured page, the link of the LOGO is error.

2.Fixed a hotspot configuration page and select the SSID manually set the SSID list when switching from a script bug, choose "set SSID manually", SSID is empty, click "Next", the error message is appeared.

4. Fixed WiFi setting-> WiFi Security, choose Security Mode WPA / WPA2 when the English prompts errors.

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Software Version: 2.0.21.28.3

Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAR11N PLUS	2.0/1.0
Magic4G	1.0

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VRP300	4.0/3.0/2.0/1.0
VHA300	2.0/1.0
VHA300 PLUS	3.0/2.0/1.0

Modification:

1.Read the device type and other relevant information through the configuration file, add the device type by modifying the configuration file.

2.The field of device type of E2EPROM change frome 4bit to 6bit and the 2bit borrowed from high 2bit of field of hardware version number. 3.Add function of NV CRC detection for the bug that SSID unusual. 4.Optimize js script of configuration pages.

5. Remove the related redundant source code of ated restore factory.

Software Version: 2.0.21.27.31
Applicable product model:

Product Model	Hardware Version
VM300	2.0/1.0
MINI300	5.0/4.0/3.0/2.0/1.0
VAR11N PLUS	2.0/1.0
Magic4G	1.0
VRP300	4.0/3.0/2.0/1.0
VHA300	2.0/1.0
VM3G	1.0

Modification:

1.VHA300,Magic4G: The related modification of the configured webpage. 2.The main menu is used the Non-Flash to achieve, solve the compatibility issues of the configuration interface.

3.The related modification of the login interface.

Software Version: 2.0.21.27.29
Applicable product model:VRP300/VM300/VM3G

Modification:

1. Pantech UML295 APN setting(manual mode), automatic mode and roaming function; ●

2. Pin Configuration Web disable, enable and warning;

3. APN configuration information via web upload function;

4. Add U.S. Verizon Wireless APN information (311,480) and Tanzania APN information to the device (APN list) list

5. host_ip.asp, opmode.asp prompted to reboot to take effect after submission; revise host_ip.asp BUG;

6. Dial-up process optimization, during the process of dialing 3G/4G, the configuration pages be accessed, and revise the BUG that the operative status shows automatic mode when it is manual mode.

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Software Version: 2.0.21.24.1
Applicable product model:VAR11N/VAP11N
Modification:

1. Optimize the picture of the webpage signal strength prompt;

2. New add Host IP configuration function;

3. New add the default WIFI password 12345678;

4. New add 3G module function;

5. Solve the BUG that when Bridge mode changes to Router mode, it can't

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