

HT813 Firmware Release Notes

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FIRMWARE VERSION 1.0.19.6

PRODUCT NAME

HT813

DATE

05/15/2025

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: d4235d4c88bfc0fe6d50f14cb9377af

ENHANCEMENT

- Added support to configure static DNS SRV records. [Static DNS Cache]
- Added support for the Trusted domain name list. [Trusted Domain Name List]
- Added the IVR support to check the device's individual certificate Information.
- Added support for RFC2833 convert mode. [RFC2833 Convert Mode]
- Added support for sending multiple DTMF modes simultaneously. [Force DTMF to be sent via SIP INFO simultaneously]
- Added new options "3 - MsCHAPv2" in RADIUS Auth Protocol(P28803):
- Updated config file download request starts from cfgMAC.xml.
Old Order: cfgMAC, cfgMAC.xml, cfgMODEL.xml and cfg.xml.
New Order: cfgMAC.xml, cfgMAC, cfgMODEL.xml and cfg.xml
- Added support for DNS SRV Failover Mode. [DNS SRV Failover Mode]
- Added support for the Failback Timer. [Failback Timer]
- Added support for Register Before DNS SRV Failover. [Register Before DNS SRV Failover]
- Added support for Maximum Number of SIP Request Retries. [Maximum Number of SIP Request Retries]
- Removed "DNS SRV use Registered IP"(P28092 /28093) from the WebUI and added "3 - Use Configured IP" option in "DNS SRV" (P103/702) mode.
- Added support for Primary IP, Backup IP1, and Backup IP2 when choosing "Use Configured IP" in DNS Mode. [Primary IP, Backup IP1, and Backup IP2]
- Added the ability to configure and send DTMFs through the FXO port upon call establishment. [Auto Send DTMF Upon Call Start]
- Added support for Prompt Dial Tone Code feature. [Prompt Tone Access Code]
- Improved PROVISION INFO and added more detailed output in the syslog.
- Added support to upload the TXT format config template.
- Added ability to set local date and time. [Local Time]
- Added ability to pull the SIP User ID per port via SNMP.
- Added ability to extract MIB files for model HT814 or HT802.

- Added support for XMPP-based connection request.
- Added support for Firmware Upgrade Via Resync SIP Notify.
- Added support for the device that keeps sending SUBSCRIBE after receiving 403. [Subscribe, Retry Wait Time upon 403 Forbidden]
- Added the ability to periodically save time to the timefile with every reboot.
- Modified Caller ID presentation.
- Added support for the secondary NTP server. [Secondary NTP Server]
- Added option to validate SIP User ID in Request-Line.
- Added TR-069 Command for Triggering False Ring Signal.
- Security enhancements for the HT813 device.
- Added Pvalue not on WebUI:
P28834/28835 Initial line polarity. (0 - Forward, 1 – Reverse. The default is 1)
P82307 Syslog Setting and Internal Logs Protection. (0- No, 1- Yes. The default is 0. Check the config template for details)

BUG FIX

- Fixed the call will automatically hang up when the CID scheme is NTT Japan.
- Fixed the device available to use the same SIP Port for different profiles.
- Fixed the unit issue that stops responding after a period because the firmware is running out of memory.
- Fixed the anonymous calls using the FXO user ID as the CID.
- Fixed the Call Waiting CID cannot be displayed.
- Fixed the Inaccurate encoding and decoding of DTMF durations with SIP Info.
- Fixed the provisioning to reset some parameters.
- Fixed device unit sends a cancel to the SIP server during an IP call.
- Fixed an issue with Call Waiting via TR-69.
- Fixed the HT813 FXO not detecting the caller ID from the BSNL analog line.
- Fixed the ACS Get parameter value not working.
- Fixed an issue where the device does not connect with the ACS server.
- Fixed the HT devices reply to "InformResponse" without Session Cookie, causing failure to provision/push changes from the ACS server
- Fixed the TR069 does not try to connect to xmpp server.
- Fixed the one-way audio issue on the device after firmware upgrade.
- Fixed device doesn't roll over to the secondary DNS A answer from an SRV query when a SIP 5XX error.
- Fixed device does not request the config file until a reboot.
- Fixed unit can't establish SRTP Session after re-invite.
- Fixed device continues to send the same credentials after the server responds with a 403 Forbidden.
- Fixed SRTP decrypt RTP fails, causing one-way audio after a period in a call.
- Fixed device syslog has no timestamp sometimes when using the AudioCodes syslog viewer.

- Fixed an issue with sending a fax.
- Fixed device unable to import MIB file to PRTG.
- Fixed device sends RTP/AVP in the 200 OK over SRTP outbound calls.
- Fixed the Inbound SRTP call fails with "488 Not Acceptable Here" due to the index value of 88 used by Netsapiens.
- Fixed UAC TR-069 does not send 4 Value Change after Jaber ID Change.
- Fixed a page jitter issue when switching web UI.
- Fixed a registration spamming issue.
- Fixed device could hear the voicemail reminder with the offhook autodial enabled.
- Fixed device fails to apply configuration using XML template.
- Fixed device continues sending REGISTER to previously registered secondary outbound proxy.
- Fixed OpenVPN settings do not remain after turning off the HT.
- Fixed calls failure when 100rel is required.
- Fixed device failed to look up the internal DNS record.
- Fixed unit can't establish SRTP Session after re-invite.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

Static DNS Cache

- **Web Configuration**

Users can find the configuration in Web -> Static DNS Cache.

A Record Settings

No	Name	TTL	Address
1	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
2	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
3	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
4	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
5	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
6	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
7	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
8	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
9	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
10	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
11	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
12	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
13	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
14	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
15	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
16	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
17	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>
18	<input type="text"/>	<input type="text" value="300"/>	<input type="text"/>

SRV Settings

No	Name	TTL	Priority	Weight	Port	Target
1		300	0	0	0	
2		300	0	0	0	
3		300	0	0	0	
4		300	0	0	0	
5		300	0	0	0	
6		300	0	0	0	
7		300	0	0	0	
8		300	0	0	0	
9		300	0	0	0	
10		300	0	0	0	
11		300	0	0	0	
12		300	0	0	0	
13		300	0	0	0	
14		300	0	0	0	
15		300	0	0	0	
16		300	0	0	0	
17		300	0	0	0	
18		300	0	0	0	

NAPTR Settings

No	Name	TTL	Order	Preference	Flags	Service	Regexp	Replacement
1		300	0	0		SIP+D2U		
2		300	0	0		SIP+D2U		
3		300	0	0		SIP+D2U		
4		300	0	0		SIP+D2U		
5		300	0	0		SIP+D2U		
6		300	0	0		SIP+D2U		
7		300	0	0		SIP+D2U		
8		300	0	0		SIP+D2U		
9		300	0	0		SIP+D2U		
10		300	0	0		SIP+D2U		
11		300	0	0		SIP+D2U		
12		300	0	0		SIP+D2U		
13		300	0	0		SIP+D2U		
14		300	0	0		SIP+D2U		
15		300	0	0		SIP+D2U		
16		300	0	0		SIP+D2U		
17		300	0	0		SIP+D2U		
18		300	0	0		SIP+D2U		

- **Functionality**

This feature could let the user configure the Order Name, TTL, Order, Preference, Flags, Service, Regexp, Replacement, Priority, Weight, Target, Port, Target, and IP Address for different DNS modes in A Record, NAPTR, SRV, and Settings.

- **New P Values**

A Record Settings

Pvalue	Description	Value range	Default
93014 93034 93054 93074 93094 93114 93134 93154 93174 93194 93214 93234 93254 93274 93294 93314 93334 93354	Order Name	String: max length 512 Characters	(Null)
93015 93035 93055 93075 93095 93115 93135 93155 93175 93195 93215 93235 93255 93275 93295 93315 93335 93355	TTL	Number: 300 to 65535	300
93016 93036 93056	Address	String:	(Null)

93076			
93096			
93116			
93136			
93156			
93176			
93196			
93216			
93236			
93256			
93276			
93296			
93316			
93336			
93356			

SRV Settings

Pvalue	Description	Value range	Default
93008	Order Name	String: Max length 512 characters	(Null)
93028			
93048			
93068			
93088			
93108			
93128			
93148			
93168			
93188			
93208			
93228			
93248			
93268			
93288			
93308			
93328			
93348			
93009	TTL	Number: 300 to 65535	300
93029			
93049			

93069			
93089			
93109			
93129			
93149			
93169			
93189			
93209			
93229			
93249			
93269			
93289			
93309			
93329			
93349			
93010	Priority	Number:	0
93030		0 to 65535	
93050			
93070			
93090			
93110			
93130			
93150			
93170			
93190			
93210			
93230			
93250			
93270			
93290			
93310			
93330			
93350			
93011	Weight	Number:	0
93031		0 to 65535	
93051			
93071			
93091			
93111			
93131			
93151			

93171			
93191			
93211			
93231			
93251			
93271			
93291			
93311			
93331			
93351			
93012	Port	Number: 0 to 65535	0
93032			
93052			
93072			
93092			
93112			
93132			
93152			
93172			
93192			
93212			
93232			
93252			
93272			
93292			
93312			
93332			
93352			
93013	Target	String:	(Null)
93033			
93053			
93073			
93093			
93113			
93133			
93153			
93173			
93193			
93213			
93233			
93253			

93273			
93293			
93313			
93333			
93353			

NAPTR Settings

Pvalue	Description	Value range	Default
93000	Order Name	String: Max length 512 characters	(Null)
93020			
93040			
93060			
93080			
93100			
93120			
93140			
93160			
93180			
93200			
93220			
93240			
93260			
93280			
93300			
93320			
93340			
93001	TTL	Number: 300 to 65535	300
93021			
93041			
93061			
93081			
93101			
93121			
93141			
93161			
93181			
93201			
93221			
93241			

93261			
93281			
93301			
93321			
93341			
93002	Order	Number:	0
93022		0 to 65535	
93042			
93062			
93082			
93102			
93122			
93142			
93162			
93182			
93202			
93222			
93242			
93262			
93282			
93302			
93322			
93342			
93003	Preference	Number:	0
93023		0 to 65535	
93043			
93063			
93083			
93103			
93123			
93143			
93163			
93183			
93203			
93223			
93243			
93263			
93283			
93303			
93323			
93343			

93004 93024 93044 93064 93084 93104 93124 93144 93164 93184 93204 93224 93244 93264 93284 93304 93324 93344	Flags	String:	(Null)
93005 93025 93045 93065 93085 93105 93125 93145 93165 93185 93205 93225 93245 93265 93285 93305 93325 93345	Service	String: Max length 512 characters	SIP+D2U
93006 93026 93046 93066 93086	Regex	String:	(Null)

93106			
93126			
93146			
93166			
93186			
93206			
93226			
93246			
93266			
93286			
93306			
93326			
93346			
93007	Replacement	String:	(Null)
93027			
93047			
93067			
93087			
93107			
93127			
93147			
93167			
93187			
93207			
93227			
93247			
93267			
93287			
93307			
93327			
93347			

Trusted Domain Name List

- **Web Configuration**

Users can find the configuration in Web-> FXS or FXO

Trusted domain name list:

(Support setting specific domain names and wildcard domain names, wildcard domain names such as "*.grandstream.com", use "," to separate domain names)

- **Functionality**

This feature could let the user configure the "Trusted Domain Name List". Fill in the list of trusted domain names, which supports filling in the SAN list used only for domain name verification in TLS to obtain certificates. If it matches any item in the trusted domain name list, the certificate is trusted. By default, the remote proxy domain name and SIP server domain name are trusted. Supports filling in numbers/letters/./././, Support setting specific domain names and wildcard domain names, wildcard domain names such as "*.grandstream.com", use "," to separate domain names.

- **New P Values**

Pvalue	Description	Value range	Default
60082 60182	Trusted Domain Name List	String: Max length: 256 Characters	(Null)

RFC2833 Convert Mode

- **Web Configuration**

Users can find the configuration section in Web -> FXS

RFC2833 End Events Count: (between 2 and 10, default is 3)
RFC2833 Convert Mode:

- **Functionality**

This feature allows users to configure the RFC2833 Convert Mode in RFC2833 Convert Mode, DSP normal mode, or DSP permanent mode.

- **New P Values**

Pvalue	Description	Value Range	Default
28798 28799	RFC2833 Convert Mode	Number: 2 – 10	3

Force DTMF to be sent via SIP INFO simultaneously

- **Web Configuration**

Users can find the configuration section in Web -> FXS or FXO.

Preferred DTMF method (in listed order): Priority 1:
 Priority 2:
 Priority 3:
Force DTMF to be sent via SIP INFO simultaneously: ☒ No ☐ Yes

- **Functionality**

This feature allows users to force DTMF to be sent via SIP INFO simultaneously

- **New P Values**

Pvalue	Description	Value Range	Default
28794 28795	Force DTMF to be sent via SIP INFO simultaneously	0 – No 1 – Yes	0 – No

DNS SRV Failover Mode

- **Web Configuration**

Users can find the configuration in Web -> FXS or FXO

DNS Mode: ☒ A Record ☐ SRV ☐ NAPTR/SRV ☐ Use Configured IP
 DNS SRV Failover Mode: Default ▼
 Failback Timer: 60 (in minutes. default 60 minutes, max 45 days)

- **Functionality**

This feature could let the user configure the preferred IP mode when DNS Mode is SRV or NAPTR/SRV. Default: SIP request will always be sent to the address with the top priority based on the SRV query result, even if this address is different from the registered IP address.

Use current server until DNS TTL: SIP request will always be sent to the registered IP address until DNS TTL expires or the registered IP address is unreachable.

Use current server until no response: SIP request will always be sent to the registered IP address only until the registered IP address is unreachable.

Use current server until failback timer expires: the primary server regains control only after the failback expiration time, allowing the secondary server to handle requests until then.

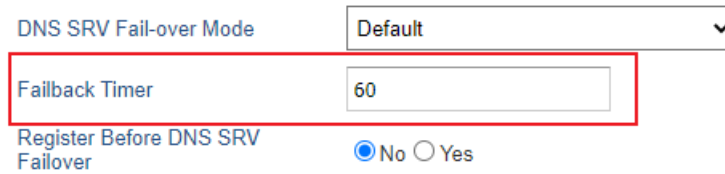
- **New P Values**

Pvalue	Description	Value Range	Default
26040 26140	DNS SRV Failover Mode	0 – Default, 1 – Use current server until DNS TTL, 2 – Use current server until no response, 3 – Use current server until failback timer expires	0 – Default

Failback Timer

- Web Configuration**

Users can find the configuration in Web -> FXS or FXO



The image shows a web configuration interface. At the top, there is a dropdown menu labeled "DNS SRV Fail-over Mode" with "Default" selected. Below it, a red rectangular box highlights the "Failback Timer" field, which contains the value "60". At the bottom, there is a section labeled "Register Before DNS SRV Failover" with two radio buttons: "No" (which is selected) and "Yes".

- Functionality**

This feature could let the user specify the time interval (in minutes) that the device should continue to send SIP requests (REGISTER or INVITE) to the failover IP. Specifies the time interval (in minutes) that the device should continue to send SIP requests (REGISTER or INVITE) to the failover IP. The default is 60 minutes, max 45 days.

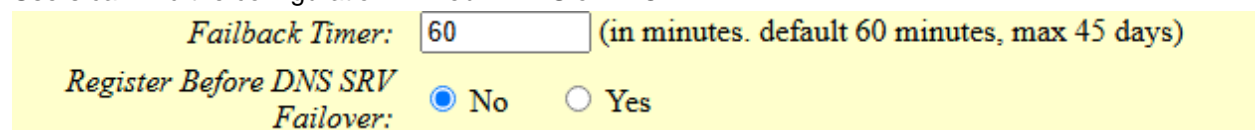
- New P Values**

Pvalue	Description	Value range	Default
60056	Failback Timer	Number: 1 - 64800	60
60156			

Register Before DNS SRV Failover

- Web Configuration**

Users can find the configuration in Web -> FXS or FXO



The image shows a web configuration interface with a yellow background. It displays the "Failback Timer" field with the value "60" and a text label "(in minutes. default 60 minutes, max 45 days)". Below this, the "Register Before DNS SRV Failover" section has two radio buttons: "No" (selected) and "Yes".

- Functionality**

Now the users can choose the behavior for registering before DNS SRV Failover.

- If set to "No", a REGISTER request will not be initiated when a server failover occurs under DNS SRV mode.
- If set to "Yes", a REGISTER request will be initiated when a server failover occurs under DNS SRV mode.

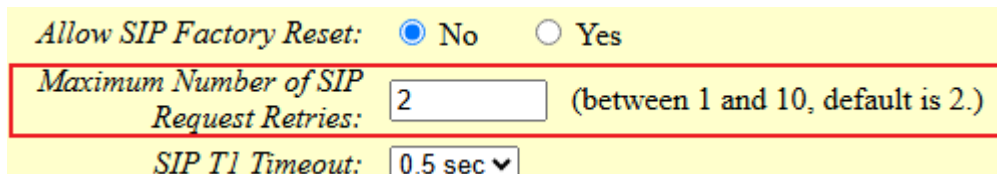
- New P Values**

Pvalue	Description	Value range	Default
29095	Register Before DNS SRV Failover	0 – No	0 – No
29195		1 – Yes	

Maximum Number of SIP Request Retries

- **Web Configuration**

Users can find the configuration in Web -> FXS or FXO



Allow SIP Factory Reset: ☒ No ☐ Yes
Maximum Number of SIP Request Retries: (between 1 and 10, default is 2.)
SIP T1 Timeout:

- **Functionality**

This feature could let the user specify the maximum number of retries on SIP Requests.

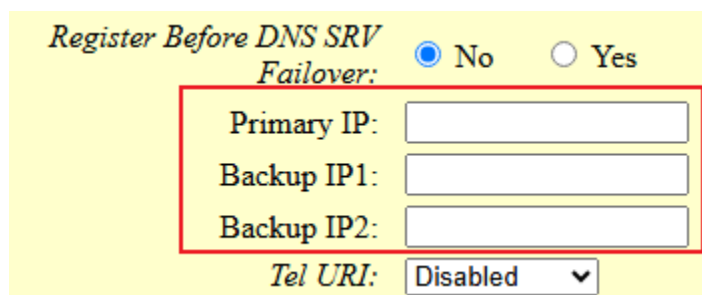
- **New P Values**

Pvalue	Description	Value range	Default
60055	Maximum Number of SIP Request Retries	Number: 1 – 10	2
60155			

Primary IP, Backup IP1, and Backup IP2

- **Web Configuration**

Users can find the configuration section in Web -> FXO.



Register Before DNS SRV Failover: ☒ No ☐ Yes
 Primary IP:
 Backup IP1:
 Backup IP2:
Tel URI:

- **Functionality**

This feature allows users to set the Primary IP. Backup IP1 and Backup IP2 when DNS Mode is chosen “Use Configured IP”. If the SIP server is configured as the domain name, the device will not send DNS queries but will use “Primary IP” or “Backup IP” to send a SIP message if at least one of them is not empty. It will try to use “Primary IP” first, after 3 tries without any response, it will switch to “Backup IP 1”, then “Backup IP 2”, and then it will switch back to “Primary IP” after 3 retries.

- **New P Values**

Pvalue	Description	Value Range	Default
2308 2408	Primary IP	String: Maximum Length 15	(Null)
2309 2409	Backup IP1	String: Maximum Length 15	(Null)
2310 2410	Backup IP2	String: Maximum Length 15	(Null)

Auto Send DTMF Upon Call Start

- Web Configuration**

Users can find the configuration section in Web -> FXO.

Flash Digit Control: ☒ No ☐ Yes (Overrides the default settings for call control when both channels are in use.)

Auto Send DTMF Upon Call (DTMF digits to send towards TDM side after call from Start: VoIP side gets started)

Proxy-Require:

- Functionality**

This feature allows users to set DTMF digits to send to the TDM side after the call from the VoIP side gets started.

- New P Values**

Pvalue	Description	Value Range	Default
28845	Auto Send DTMF Upon Call Start	Number: Max Length 16	(Null)

Prompt Tone Access Code

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings

Prompt Tone Access Code: (Key pattern to get Prompt Tone. Maximum 20 digits. No default.)

Lock Keypad Update: ☒ No ☐ Yes (configuration update via keypad is disabled if set to Yes)

- Functionality**

This feature allows users to set a Key pattern to get the Prompt Tone. Maximum 20 digits. No default value.

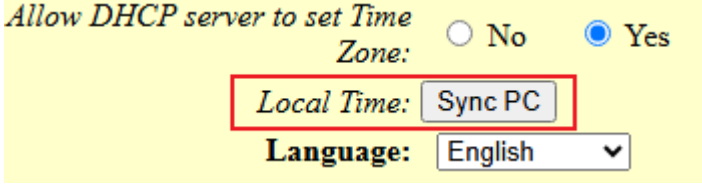
- New P Values**

Pvalue	Description	Value Range	Default
4042	Prompt Tone Access Code	String: Max Length: 20 digits.	(Null)

Local Time

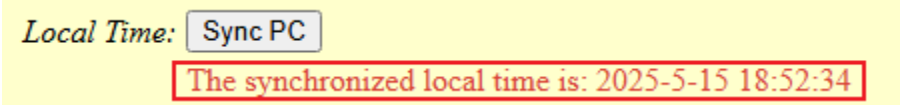
- Web Configuration**

Users can find the configuration section in Web -> Basic Settings.



- Functionality**

This feature allows users to set device time to PC time via the browser and show device time on WebUI. After clicking the button “Sync PC”, the HT813 device will synchronize the local time from the user’s computer.



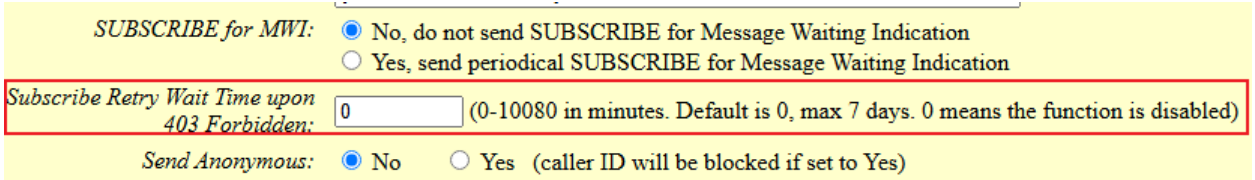
- New P Values**

Pvalue	Description	Value Range	Default
	Local Time	Button	(Null)

Subscribe, Retry Wait Time upon 403 Forbidden

- Web Configuration**

Users can find the configuration section in Web -> FXS or FXO.



- Functionality**

This feature allows users to configure the Subscribe Retry Wait Time upon 403 Forbidden. The default is 0, max is 7 days.

- New P Values**

Pvalue	Description	Value Range	Default
60068	Subscribe Retry Wait Time	Number: 0 – 10080	0
60168	upon 403 Forbidden	0 means disable	

Secondary NTP Server

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.

NTP Server: (URI or IP address)

Secondary NTP Server: (URI or IP address)

Allow DHCP Option 42 to override NTP server: ☐ No ☒ Yes

- Functionality**

This feature allows users to configure the secondary NTP server.

- New P Values**

Pvalue	Description	Value Range	Default
8333	Secondary NTP Server	String: Server address	(Null)

FIRMWARE VERSION 1.0.17.3

PRODUCT NAME

HT813

DATE

04/28/2024

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: eb62080f5322bd69d083d8801503a3e5

ENHANCEMENT

- Added support for "Disable User Level Web Access". [Disable User Level Web Access]
- Added support for "Disable Viewer Level Web Access". [Disable Viewer Level Web Access]
- Force user to change the password upon first login using the default password to the Admin/User/Viewer Account.

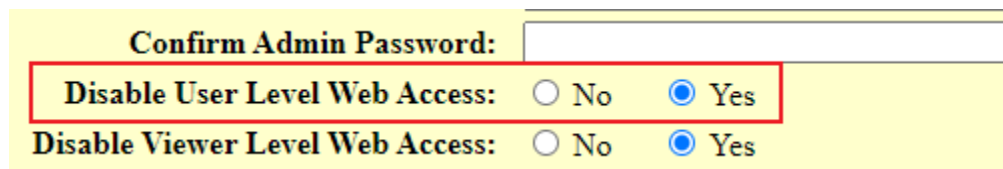
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

Disable User Level Web Access

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.



Confirm Admin Password:

Disable User Level Web Access: ☐ No ☒ Yes

Disable Viewer Level Web Access: ☐ No ☒ Yes

- Functionality**

This feature allows users to Disable or enable User Level Web Access. default is 1 – Yes.

Pvalue	Description	Value range	Default
28158	Disable User Level Web Access	Number: 0 – No 1 – Yes	1 – Yes

Disable Viewer Level Web Access

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.

Confirm Admin Password:

Disable User Level Web Access: ☐ No ☒ Yes

Disable Viewer Level Web Access: ☐ No ☒ Yes

- **Functionality**

This feature allows users to Disable or enable Viewer Level Web Access. default is 1 – Yes.

Pvalue	Description	Value range	Default
28159	Disable Viewer Level Web Access	Number: 0 – No 1 – Yes	1 – Yes

FIRMWARE VERSION 1.0.17.2

PRODUCT NAME

HT813

DATE

05/09/2023

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 9b6cd1aa0494db9276ad0dd2c74f0a96

ENHANCEMENT

- Added support "SIP URI Scheme When Using TLS" option on the FXO page.
- Added the "Incoming Call Duration Limit" in PSTN. [Incoming Call Duration Limit]
- Added ability to have a second VLAN under switch mode. [LAN Port VLAN Feature Under Bridge Mode]
- Added support for "https://" in Config Server Path field.
- Added "Device.DeviceInfo.SupportedDataModel" in TR data model.
- Added some missing parameters to the TR069 data model.
- Improved Web UI login response time.

BUG FIX

- Fixed a bug that caused the device to not make outgoing calls with the specific firmware.
- Fixed the device using a random sip port requires a reboot to take effect.
- Fixed unit sends BYE with wrong CSeq.
- Fixed inaccurate encoding and decoding of DTMF durations.
- Fixed invalid HTTP headers provided by Web GUI.
- Fixed vulnerabilities detected by Nexpose rapid 7 scab tools.
- Fixed device registration with a random port after a reboot.
- Fixed device cannot log in to the web if the password length exceeds 18 characters.
- Fixed NAPTR/SRV mode does not send NAPTR DNS register requests.
- Fixed device Preferred Vocoder can't choose ILBC in choice 8.
- Fixed Inbound long duration call fails under certain configurations.
- Fixed an issue that caused the device not to work with Alarm System.
- Fixed the off-hook delay problem that occurs when the FAX runs for a long timer running.
- Fixed the off-hook not detected during ringing.
- Fixed the Prompt Tone Access Code type error.
- Fixed the FW upgrade by TR069 doesn't use Target File Name.
- Fixed the TR-069 Device report 9002 error when requesting Call Waiting Enable.

- Fixed a bug that caused encountered dialing confusion after running for hours.
- Fixed the issue that the IPV6 address has no abbreviation.

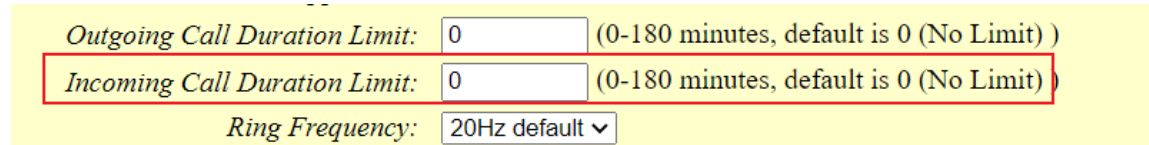
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use them from the user's point of view.

Incoming Call Duration Limit

- **Web Configuration**

Users can find the configuration section in Web -> FXS or FXO.



Outgoing Call Duration Limit: 0 (0-180 minutes, default is 0 (No Limit))

Incoming Call Duration Limit: 0 (0-180 minutes, default is 0 (No Limit))

Ring Frequency: 20Hz default ▾

- **Functionality**

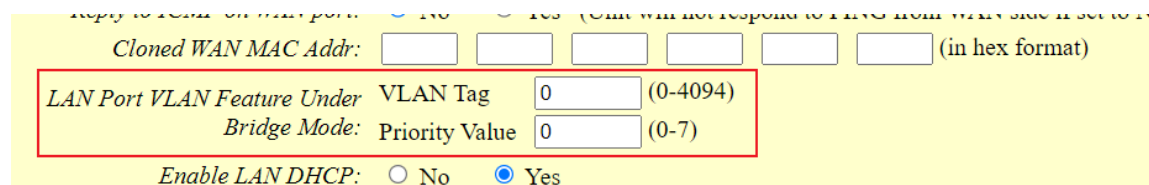
This feature allows users to configure the call duration limit for the incoming calls, default is 0 (No limit).

Pvalue	Description	Value range	Default
28760	Incoming Call Duration Limit (FXS)	Number: 0 – 180 (0 is No Limit)	0
28761	Incoming Call Duration Limit (FXO)	Number: 0 – 180 (0 is No Limit)	0

LAN Port VLAN Feature Under Bridge Mode

- **Web Configuration**

User can find the configuration section in Web -> Basic Settings.



Cloned WAN MAC Addr: (in hex format)

LAN Port VLAN Feature Under Bridge Mode: VLAN Tag 0 (0-4094)
Priority Value 0 (0-7)

Enable LAN DHCP: ☐ No ☒ Yes

- **Functionality**

This feature allows users to configure a different VLAN tag and priority value for the second network port when HT is configured in bridge mode.

Pvalue	Description	Value range	Default
229	LAN Port VLAN Feature Under Bridge Mode: VLAN Tag	Number: 0 – 4094	0
230	LAN Port VLAN Feature Under Bridge Mode: Priority Value	Number: 0 – 7	0

FIRMWARE VERSION 1.0.15.7

PRODUCT NAME

HT813

DATE

01/03/2023

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 18101a5a0330f670eba09ac0e1460f22

ENHANCEMENT

- Added support for Always send HTTP Basic Authentication Information. [Always send HTTP Basic Authentication Information]
- Added Sectigo CA to our Trusted List
- Added support for Ring frequency 25Hz on FXS port
- Updated the "Let's encrypt" root CA certificate
- Added the ability to set up system cadence with multiple cadences through TR-069.
- Added support to fill the Device.ProvisionCode using DHCP option 43 sub-option 2.
- Added support to "Distinctive Ring Tone", "incoming caller ID", and "Ring Tone" on the HTs TR-069 template.
- Added support for more SRTP methods.
- Updated Syslog and make it more user-friendly.
- Redesigned the display of the software version on the status page and make it looks better.
- Updated the copyright translated into Russian on the Russian language page.
- Added support for variable on Provisioning link. [Enable using tags in the URL]
- Added feature Configuration File Types Allowed. [Configuration File Types Allowed].
- Added Charter CA to the approved certificate list.
- Added support of DHCP Option 150. [Additional Override DHCP Option]
- Add SSL Key Log File. [With Secret Key Information]
- Added support for Inband DTMF Duration. [Inband DTMF Duration]
- Added support for DSP DTMF Detector Duration Threshold. [DSP DTMF Detector Duration Threshold]
- Added support for Download and Process ALL Available Config Files. [Download and Process ALL Available Config Files]
- Added support for new override config file option in "cfgMAC_override.xml".
- Added support for When to Restart Session After Re-INVITE received. [When to Restart Session After Re-INVITE received]

- Added support following up not on WebUI P-values:
P8603 - Root CA Version (0 - Current Root; 1 - New Root, default is 1)
P8604 - Provision and upgrade to new Gen-2 certificate. (1- upgrade; 0 - no upgrade, default is 0).
P8605 - Contents (text string) of Gen-2 certificate to upgrade. (String. Maxlength 8192, no default)
P8606 - Contents (text string) of Gen-2 EC private key to upgrade. (String. Maxlength 8192, no default)

BUG FIX

- Fixed a bug that caused an ATA crash after provision.
- Fixed an issue that caused the Fax pass-through mode to fail with firmware 1.0.33.4.
- Fixed P-value P2486/P2386 duplication.
- Fixed the packet loss rate in the call quality of the HT device incorrectly displayed.
- Fixed the device does not start RTP session when receiving 183 message.
- Fixed issue caused SIP Phone cannot be registered after the certificate verification is enabled.
- Fixed the device does not apply "No key Entry Timeout" with less than 4 seconds through TR-069.
- Fixed device does not apply Frequency power setting through TR-069.
- Fixed device does not apply Candence setting through TR-069.
- Fixed the GPV error when getting to 2048 characters.
- Fixed device debugging functionality that bypass restrictions and achieves root access.
- Fixed device reported 9002 error when requesting specific parameters through TR-069.
- Fixed device Some options cannot be found on the Parameter tree via TR-069.
- Fixed SLIC setting on TR-069 not matching selection on device web UI.
- Fixed an RTP-Event (DTMF) issue.
- Fixed an issue made Sin 227 - BT coded CID displayed as anonymous.
- Fixed device the line bottom noise is too large and there is no FSK signal.
- Fixed device crashed when PSTN does an incoming call with FXO, and the FXS port establishes an OB call or 3WC.
- Fixed device using the TR-069 protocol push Secondary Outbound Proxy configuration parameter is not correct.
- Fixed device does not accept changing admin password through TR-069.
- Fixed the device does not accept setting frequency to 0 through TR-069.
- Fixed an issue causing the call to get ended by the server after 30 mins on hold.
- Fixed an issue that caused call transfer failures.
- Fixed an issue that caused faxes may not to be sent and received normally with some specific brands of fax machines.
- Fixed the device still uses a random port for SIP registration when it's set to No.
- Fixed device Second Register has no auth header by default.
- Fixed device "P-Access-Network-Info" Header not in Register.
- Fixed an issue that caused the device not to terminate PSTN call properly.
- Fixed an issue that caused the device to have no audio on both sides and the IVR to become invalid after the fax is sent.

- Fixed a bug that caused the device not to start sending RTP.
- Fixed device the sip server address and port settings that do not conform to the rules can be saved.
- Fixed Jitter Buffer Type not getting used.
- Fixed device reports the call status as P2P after the local three-party conference ends.
- Fixed device SIPs TLS registration failed after filling in the Custom Certificate with the GEN 1 certificate.
- Fixed device the memory is out of memory when the specific version firmware is changed.
- Fixed device the call is abnormal after the participant transfers the call.
- Fixed device after the FTP upgrade fails, the status light is abnormal.
- Fixed a bug that caused audio loss when call waiting caller ID is enabled.
- Fixed the log server domain name resolution order is incorrect.
- Fixed the device will not send require when path contains % character.
- Fixed a bug that caused the ATA to crash after calling itself.
- Fixed the wrong ACS port causes high CPU usage on the device.
- Fixed the "Distinctive Ring Tone for Caller ID" Error 9002 when filling in a numeric number.
- Fixed an issue that made the device unable to enter ATE mode.
- Fixed device when the AC Termination Model is set to Auto Detected, the FXO interface will automatically off hook.
- Fixed a bug that caused no audio for the second call received.
- Fixed device the Syslog is enabled on the HT device in the local deployment, and the content of the Syslog package is empty.
- Fixed device the Authenticate server certificate domain/chain option needs to be restarted to take effect.
- Fixed the device stops sending periodic information after a time.
- Fixed device in secondary dialing, auxiliary sending of different DTMF at the same time will lead to device program confusion.
- Fixed an issue that made click FXS port redirects to the wrong page on WebUI.
- Fixed device the DTMF Negotiation fails upon transfer.
- Fixed Call quality data not reported after the device factory reset.
- Fixed a bug that made DDNS Username and DDNS Password could not save as null.
- Fixed CPE doesn't recover XMPP session when XMPP server goes down.
- Fixed a bug that made Notifications not be sent to the ACS.
- Fixed device CPE crash after executing deleteObject.
- Fixed device deleting node via ACS server will cause CPE crash.
- Fixed device could not config "OpenVPN Transport" via TR-069.
- Fixed device did not use ACS URL passed in DHCP option.
- Fixed the device did not send HTTP to ACS if only IPV6 in WIFI.
- Fixed device OUI reported by CPE mismatch with real OUI in MAC address.
- Fixed an issue that caused HT device cannot connect to local deployment environment.

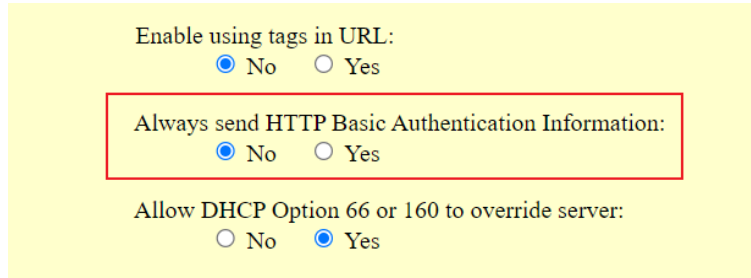
NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

Always send HTTP Basic Authentication Information

- Web Configuration**

User can find the configuration section in Web -> Advanced Settings.



Enable using tags in URL:
☒ No ☐ Yes

Always send HTTP Basic Authentication Information:
☒ No ☐ Yes

Allow DHCP Option 66 or 160 to override server:
☐ No ☒ Yes

- Functionality**

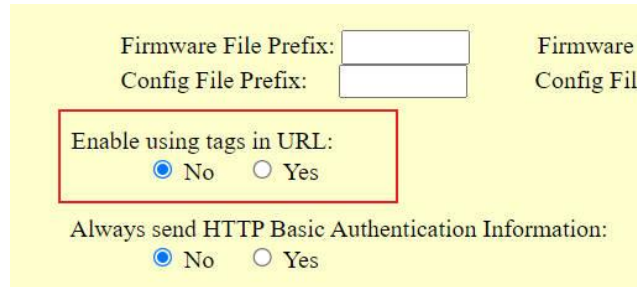
This feature allows users to configure user name and password within HTTP request before server sends authentication challenge.

Pvalue	Description	Value range	Default
20713	Always send HTTP Basic Authentication Information	0 – No 1 - Yes	0 – No

Enable using tags in the URL

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.



Firmware File Prefix: Firmware Config File Prefix:

Enable using tags in URL:
☒ No ☐ Yes

Always send HTTP Basic Authentication Information:
☒ No ☐ Yes

- Functionality**

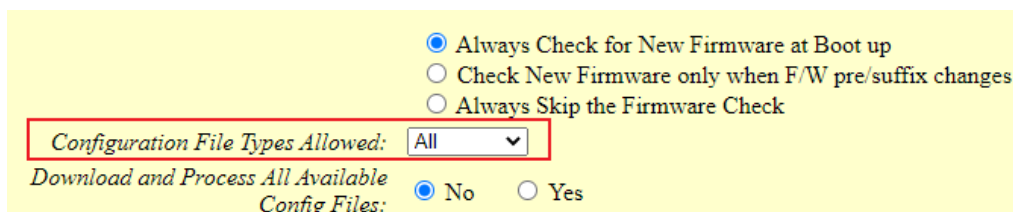
This feature allows users to configure variables on the configuration server path to differentiate the directories on the server.

Pvalue	Description	Value range	Default
8609	Enable using tags in the URL	0 - No 1 - Yes	0 - No

Configuration File Types Allowed

- Web Configuration**

User can find the configuration section in Web -> Advanced Settings.



- Functionality**

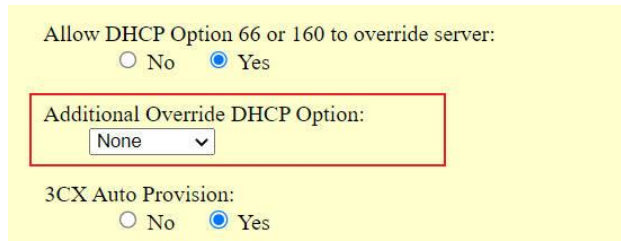
This feature allows users to configure provision configuration file type in xml file only or all file types.

Pvalue	Description	Value range	Default
8601	Configuration File Types Allowed	47 - All 46 - XML only	47 - All

Additional Override DHCP Option

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.



- Functionality**

This feature allows users to enable the Additional Override DHCP Option in Option 150.

Pvalue	Description	Value range	Default
8337	Additional Override DHCP Option	0 – None 1 – Option 150	0 – None

With Secret Key Information

- Web Configuration**

Users can find the configuration section in Web -> Advanced Settings-> Information Capture-> Capture.

Syslog Level:
 Send SIP Log: ☒ No ☐ Yes
 Information Capture:
☒ No
☐ Yes, reboot every day at hour (0-23)
 Automatic Reboot:

Grandstream Device Configuration

STATUS BASIC SETTINGS **ADVANCED SETTINGS** PROFILE 1 PROFILE 2 FXS PORTS

With Secret Key Information: ☐ No ☒ Yes
 Status: Idle
 Capture File: None

- **Functionality**

This feature allows users to make packet capture including the secret key to decrypt the captured TLS packets.

Pvalue	Description	Value range	Default
22419	With Secret Key Information	0 - No 1 - Yes	0 - No

Inband DTMF Duration

- **Web Configuration**

Users can find the configuration section in Web -> FXS Port or FXO Port.

(in listed order): Priority 2:
 Priority 3:

Inband DTMF Duration: In 40-2000 milliseconds range, duration: inter-duration:
 DSP DTMF Detector Duration Threshold: In 20-200 milliseconds range, duration: inter-duration:

- **Functionality**

This feature allows users to config the Inband DTMF Duration.

Pvalue	Description	Value range	Default
28134	Inband DTMF Duration - duration	Min: 40	100
28135		Max: 2000	
28138	Inband DTMF Duration -	Min: 40	50
28139	inter-duration	Max: 2000	

DSP DTMF Detector Duration Threshold

- **Web Configuration**

Users can find the configuration section in Web -> FXS Port or FXO Port.

Inband DTMF Duration: In 40-2000 milliseconds range, duration: inter-duration:
DSP DTMF Detector Duration Threshold: In 20-200 milliseconds range, duration: inter-duration:
Disable DTMF Negotiation: ☐ No (negotiate with peer) ☒ Yes (use above DTMF order without negotiation)

- **Functionality**

This feature allows users to config the DSP DTMF Detector Duration Threshold.

Pvalue	Description	Value range	Default
28201	DSP DTMF Detector Duration	Min: 20	30
28202	Threshold - duration	Max: 200	
28205	DSP DTMF Detector Duration	Min: 20	30
28206	Threshold - inter-duration	Max: 200	

Download and Process ALL Available Config Files

- **Web Configuration**

Users can find the configuration section in Web -> Advanced Settings.

Configuration File Types Allowed: 
Download and Process All Available Config Files: ☒ No ☐ Yes
Disable SIP NOTIFY Authentication: ☒ No ☐ Yes (Device w

- **Functionality**

This feature allows users to inverse downloading all config files. The default cfg provision behavior of HT813 is request cfgMAC.xml at first, then request the first available config in order of "DHCP option 67 bootfile", cfgMAC.xml, cfgProductModel.xml, cfg.xml.

Pvalue	Description	Value range	Default
8467	Download and Process ALL Available Config Files	0 - No 1 - Yes	0 - No

When to Restart Session After Re-INVITE received

- **Web Configuration**

Users can find the configuration section in Web -> FXS Port or FXO Port.

Force INVITE: ☒ No ☐ Yes (Always refresh with INVITE instead of UPDATE)

When To Restart Session After Re-INVITE received: ☒ Immediately ☐ After replying 200OK

Enable 100rel: ☒ No ☐ Yes

- **Functionality**

This feature allows users to support to delay posting Media Change Event with this new feature.

Pvalue	Description	Value range	Default
28744	When To Restart Session After Re-INVITE received	0 - Immediately	0 - Immediately
28745		1 - After replying 200OK	
28746			
28747			

FIRMWARE VERSION 1.0.13.3

PRODUCT NAME

HT813

DATE

04/22/2021

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 1028e7482f820138c0b28b03f142b763

ENHANCEMENT

- Added support for handling of NOTIFY with Event=check-sync;reboot=false.
- Increased dial plan maximum supported character length.
- Increased P2386/P2486, P280, P8220 supported maximum character length to 8192.

BUG FIX

- Fixed the caller ID is not updated on analog phones after. completing an attended transfer.
- Fixed if the server replies 200 OK with the SDP containing port 0, device will freeze.
- Removed.TR069 parameter "Device.X_GRANDSTREAM_Diagnostics.Capture.DiagnosticsState" as HT813 does not support packets capture.
- Fixed FXO port does not detect caller ID from BSNL analog lines.

FIRMWARE VERSION 1.0.11.2

PRODUCT NAME

HT813

DATE

03/03/2021

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 9bbc1f1622661ca001eba6bb2940393f

BUG FIX

- Fixed extreme low audio transmitted randomly.
- Fixed when RTP attack happens, calls have no audio.
- Fixed devices freeze randomly and is HTTP/SSH inaccessible with no dial tone in the attached analog phone.
- Fixed the caller ID is not displayed when receiving incoming calls.
- Fixed if device missed the chance to resolve STUN server host name during booting, STUN fails and will cause calls failure.
- Fixed device could not upgrade via TFTP.
- Fixed device fails to connect to GDMS local deployed environment after restarting.
- Fixed device will obviate the T flag on dial plan.
- Fixed losing connectivity on LAN connected devices on ATA's using PPPoE.
- Fixed when upgrade via HTTPS, if server returns more data than requested in partial content, the provision will fail.
- Added support for more than 2 layers certificate chain loading.
- Fixed with option 43, device could not upgrade via FTPS.
- Fixed when Internet Protocol set to Both, prefer IPv6, device does not send registration after changing the sip transport from TCP to UDP.
- Removed gssu commend from SSH and Telnet.
- Fixed outbound VoIP to FXO slow call setup and loss of audio at start of the call.

FIRMWARE VERSION 1.0.9.1

PRODUCT NAME

HT813

DATE

09/01/2020

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 99aacc1f80bc23142d19e62ac370bfc9

ENHANCEMENT

- Added feature "DHCP domain name". [DHCP DOMAIN NAMELOAD CA CERTIFICATES]

BUG FIX

- Fixed device will crash when NAT Traversal is set to STUN.
- Fixed that device does not support IPv6 address without square brackets.
- Fixed after a reboot, there may no audio when making a call, and there is no IVR
- Fixed device will not try to reach GAPS when WAN subnet coincides with default LAN subnet.
- Fixed device will crash when FXO port is doing an PSTN to VoIP incoming call, and FXS port establishes an outbound call or performing a 3-Way conference call.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

DHCP DOMAIN NAME

- Web Configuration**

User can find the configuration in Web UI -> Basic Settings.

DHCP domain name: (optional)

- Functionality**

This feature allows user to configure DHCP domain name. This option specifies the domain name that client should use when resolving hostnames via the Domain Name System.

- New P Values**

Pvalue	Description	Default
P147	DHCP domain name	NULL

FIRMWARE VERSION 1.0.7.1

PRODUCT NAME

HT813

DATE

08/03/2020

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 096aeb84f2e964e816d7e00e3bb2cf41

ENHANCEMENT

- Added feature "Load CA Certificates". [LOAD CA CERTIFICATES]
- Increased "SIP TLS Certificate" and "SIP TLS Private Key" supported maximum length from 2048 to 4096.
- Added New Zealand Standard for Pulse Dialing Standard.

BUG FIX

- Fixed a security vulnerability that device will crash if an attacker sends a TCP message that does not contain a '\r'.
- Fixed a security vulnerability that device will crash due to a null pointer dereference when an authentication header is present in the HTTP Get request, but the header is not a well-formed digest message.
- Fixed a security vulnerability that the TR-069 interface hardcodes the nonce and opaque values that the HTTP digest authentication values could be reused.
- Fixed the security vulnerability related to provisioning XML password bypass and command injection.
- Removed gssu commend from SSH.
- Fixed when Internet Protocol is set to IPv6 Only, HT813 will not switch to IPv4 to get registered if IPv6 is not available.
- Fixed HT813 will send SIP requests to default port 5060 when a different port was configured.
- Fixed when set up an admin password longer than 15 characters, the web access will keep showing "Sorry. Your Login Password is not recognized. Please try again."
- Fixed device does not take port from SRV results when SIP transport type is TLS.
- Fixed incoming calls will reach the destination number after a number of rings different than configured on the HT813
- Fixed incoming call does not work with TLSv1.2
- Fixed distinctive ring tone does not take effect when it is set to more than 9000ms.
- Fixed device could not make a call when use *19 to disable SRTP per call.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

LOAD CA CERTIFICATES

- **Web Configuration**

User can find the configuration in Web UI -> Advanced Settings.

Load CA Certificates: Built-in trusted certificates ▼

- **Functionality**

This feature allows user to specify which CA certificate to trust when performing server authentication.

- **New P Values**

Pvalue	Description	Value range	Default
P8502	Load CA Certificates	0 – Built-in trusted certificates 1 – Custom trusted certificates 2 – All trusted certificates	0 – Built-in trusted certificates

FIRMWARE VERSION 1.0.5.2

PRODUCT NAME

HT813

DATE

04/15/2020

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: b2882d93cf659701b132bfa2c1dd9d21

ENHANCEMENT

- Updated Brazil / Sao Paulo time zone to UTC-3 without Daylight Time Saving.
- Added support for unlimited ring without timeout. When configure "Ring Timeout" to 0, will have no ring timeout
- Added feature "Connection Request Port". [CONNECTION REQUEST PORT]
- Added feature "SIP User-Agent". [SIP USER-AGENT]

BUG FIX

- Fixed when device FXO port "Enable Polarity Reversal" set to Yes, FXO port does not have dial tone when doing PSTN to VoIP calls.
- Fixed the SSH connection will disconnected when enable or disable Telnet.
- Fixed FXO "NAT Traversal" could not be set via TR-069.
- Fixed device TR-069 NAT Traversal AvailableAddressingType does not have UPnP.
- Fixed device TR-069 Device.LAN.AddressingType lack of PPPoE.
- Fixed could DeleteObject or AddObject on ACS server.
- Increase the maximum ptime from 30 to 60 when using codec G729
- Fixed device SNMP host name is HT8XX instead of HT813.
- Fixed DHCP IP Lease Time could be set to negative.
- Fixed device will crash if factory reset via TR-069.
- Fixed PSTN pass through could not detect DTMFs after dial PSTN Access Code.
- Fixed device may OOM when doing upgrade.
- Fixed device LAN DHCP Base IP is not changing automatically when the WAN port receives 192.168.2.1 IP address from the network.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

CONNECTION REQUEST PORT

- Web Configuration**

User can find the configuration in Web UI -> Advanced Settings.

<i>Connection Request Password:</i>	<input type="text"/>
<i>Connection Request Port:</i>	<input type="text" value="7547"/>

- Functionality**

This feature allows user to configure the TR-069 connection request port.

- New P Values**

Pvalue	Description	Value range	Default
P4518	Connection Request Port	0 – 65535	7547

SIP USER-AGENT

- Web Configuration**

User can find the configuration in Web UI -> FXS/FXO Port.

<i>SIP User-Agent:</i>	<input type="text"/>
<i>SIP User-Agent Postfix:</i>	<input type="text"/>

- Functionality**

This feature allows users to configure SIP User-Agent. If not configured, device will use the default User-Agent header.

- New P Values**

Pvalue	Description	Value range	Default
P29071	SIP User-Agent (FXS)	1024 – Max String Length	Null
P29171	SIP User-Agent (FXO)	1024 – Max String Length	Null

FIRMWARE VERSION 1.0.3.12

PRODUCT NAME

HT813

DATE

11/08/2019

FIRMWARE FILE INFORMATION

- HT813 firmware file name: ht813fw.bin
MD5: 01a43fbb111953cb53969d0ee02ae7df

ENHANCEMENT

- Added support for T.38 Fax mode under FXO Port.
- Set the MAC address on syslog to lower case.
- Updated mini_httpd version to 1.30.
- Added ability to support provisioning server path containing the server authentication credentials for the DHCP option 66. Format should be "username:password@Provisioning_Server_IP".
- Added support for DHCP Option 67.
- Updated Dropbear version to 2019.78.
- Updated Pvalue for Automatic Upgrade from P194 to P22296.
- Updated "São Paulo" time zone to UTC-3.
- Added support for GDMS platform.
- Added feature "Allow SIP Factory Reset". [ALLOW SIP FACTORY RESET]
- Added feature "Pulse Dialing Standard". [PULSE DIALING STANDARD]
- Added support for RFC2833 Count. [RFC2833 COUNT]
- Added feature "Disable Weak TLS Cipher Suites". [DISABLE WEAK TLS CIPHER SUITES]
- Added feature "TLS Version". [TLS VERSION]
- Added feature "Allow SIP Factory Reset". [SYSLOG PROTOCOL]

BUG FIX

- Fixed incoming PSTN call only ring once on FXS port.
- Fixed HT813 will include the outbound proxy as Route in the ACK message which leads to calls disconnection.
- Fixed when there is no rport in OPTIONS, device will send 200 OK to the originating source port instead of the port in the Via header.
- Fixed device did not send PRACK option when "Enable 100rel" set to Yes.
- Fixed device will consistently resolve DNS before every STUN refresh interval.
- Fixed when enable SIP NOTIFY Authentication, device will reboot without sending a 200OK.
- Fixed when downloaded a config file, device could not escape "<, >, \", ' , &" symbols properly.

- Fixed device sent SIP requests to outbound proxy 5060 when configured as a different port.
- Fixed Custom certificate provisioning failed using Pvalue P8472.
- Fixed device will keep sending BOOTSTRAP messages to ACS server.
- Fixed TR-069 manufacture field is empty on the INFORM header.
- Fixed dial plan prefix displayed null when set to “.
- Fixed device will crash when Caller ID Scheme set to NTT Japan.
- Fixed encryption xml file could not write to device successfully.
- Fixed when DNS SRV is used, device will send sip Register to wrong SIP destination port.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

ALLOW SIP FACTORY RESET

- **Web Configuration**

User can find the configuration in Web UI -> FXS/FXO Port.

Allow SIP Factory Reset: ☒ No ☐ Yes

- **Functionality**

This feature allows user to reset the devices directly through SIP Notify.

- **New P Values**

Pvalue	Description	Value range	Default
P26015	Allow SIP Factory Reset (FXS)	0 – No 1 – Yes	0 - No
P26115	Allow SIP Factory Reset (FXO)	0 – No 1 – Yes	0 - No

PULSE DIALING STANDARD

- **Web Configuration**

User can find the configuration in Web UI -> FXS Port.

Enable Pulse Dialing: ☒ No ☐ Yes

Pulse Dialing Standard:

- **Functionality**

This feature allows users to use Swedish pulse dialing standard.

- **New P Values**

Pvalue	Description	Value range	Default
P28165	Pulse Dialing Standard (FXS Port)	0 – General Standard 1 – Swedish Standard	0 – General Standard

RFC2833 COUNT

- Web Configuration**

User can find the configuration in Web UI -> FXS Port.

RFC2833 Events Count: (between 2 and 10, default is 8)
RFC2833 End Events Count: (between 2 and 10, default is 3)

- Functionality**

This feature allows users to customize the count of RFC2833 events and end events.

- New P Values**

Pvalue	Description	Value range	Default
P28173	RFC2833 Events Count (FXS Port)	2 – minimum 10 – Maximum	8
P28177	RFC2833 End Events Count (FXS Port)	2 – minimum 10 – Maximum	3

DISABLE WEAK TLS CIPHER SUITES

- Web Configuration**

User can find the configuration in Web UI -> Advanced Settings.

Disable Weak TLS Cipher Suites:

- Functionality**

This feature allows users to disable weak ciphers.

- New P Values**

Pvalue	Description	Value range	Default
P8536	Disable Weak TLS Cipher Suites	0 – Enable Weak TLS Ciphers Suites 1 – Disable Symmetric Encryption RC4/DES/3DES 2 - Disable Symmetric Encryption SEED 3 - Disable All Of The Above Weak Symmetric Encryption 4 - Disable Symmetric Authentication MD5 5 - Disable All Of The Above Weak Symmetric Authentication 6 - Disable Protocol Version SSLv2/SSLv3	0 – Enable Weak TLS Ciphers Suites

		7 - Disable All Of The Above Weak Protocol Version 8 - Disable All Of The Above Weak TLS Ciphers Suites	
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TLS VERSION

- Web Configuration**

User can find the configuration in Web UI -> Advanced Settings.

Minimum TLS Version:
Maximum TLS Version:

- Functionality**

These features allow customer to chose desired TLS Version.

- New P Values**

Pvalue	Description	Value range	Default
P22293	Minimum TLS Version	99 - Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 - Unlimited
P22294	Maximum TLS Version	99 - Unlimited 10 – TLS 1.0 11 – TLS 1.1 12 – TLS 1.2	99 - Unlimited

SYSLOG PROTOCOL

- Web Configuration**

User can find the configuration in Web UI -> Advanced Settings.

Syslog Protocol:
Syslog Server:

- Functionality**

Allow users to customize the Syslog Protocol.

- New P Values**

Pvalue	Description	Value range	Default
P8402	Syslog Protocol	0 – UDP 1 – SSL/TLS	0 – UDP

FIRMWARE VERSION 1.0.1.2

PRODUCT NAME

HT813

DATE

10/05/2018

FIRMWARE FILE INFORMATION

- Firmware file name: ht813fw.bin
- MD5: abf81fb6f13276bcc6084124efd5c0ba

BUG FIX

- Fixed device will not unconditional Forward Calls to VoIP when FXO port is unregister.
- Fixed Fax does not have Re-Invite message and Fax transmitted as Pass Through in T38 mode.
- Fixed device INVITE SDP message carried wrong Vocoder information.