GIGABYTE[™]

Realtek Dash Management Console

User Guide

Rev. 1.0

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Documentation Classifications

In order to assist in the use of this product, GIGABYTE provides the following types of documentation:

- User Manual: detailed information & steps about the installation, configuration and use this product (e.g. motherboard, server barebones), covering hardware and BIOS.
- User Guide: detailed information about the installation & use of an add-on hardware or software component (e.g. BMC firmware, rail-kit) compatible with this product.
- Quick Installation Guide: a short guide with visual diagrams that you can reference easily for installation purposes of this product (e.g. motherboard, server barebones).

Please see the support section of the online product page to check the current availability of these documents

For More Information

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Chapter 1 BIOS Setting

Follow the instruction to enable the Realtek DASH function.

1. Press to enter BIOS setup menu.



 Go to Advanced Page. Enter DASH Configuration, MCTP Configuration, ASF Configuration and Serial Port Console Redirection to setup the items.



1-1 DASH Configuration



- 1. [Enabled] RealManage Firmware Control.
- 2. [Enabled] DASH Support.

1-2 MCTP Configuration

Aptic Setup Utilit Advanced	y – Copyright (C) 2021 America	an Megatrends, Inc.
Advanced Management Component Transport F MCTP Support PLDM for SHBIOS PLDM for BIOS Control and Configuration PLDM for Platform Monitoring	rotocol(MCTP) Configuration [Enabled] [Enabled] [Enabled] [Enabled]	HCTP Support Enable/Disable ++: Select Screen
		14/Click: Select Item Enter/Dbl Click: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC/Right Click: Exit

- 1. [Enabled] MCTP Support.
- 2. [Enabled] PLDM for SMBIOS.
- 3. [Enabled] PLDM for BIOS Control and Configuration.
- 4. [Enabled] PLDM for Platform Monitoring.

1-3 ASF Configuration



1. Select [On] ASF BIOS Mode.

1-4 Serial Port Console Redirection



1. [Enabled] Console Redirection.

Chapter 2 Network Configuration

2-1 Host and Client IP Address Configuration

- 1. Connect the LAN Cable to Management LAN Port.
- 2. Configure the Host IP address and Client IP address.



Both Host and Client IP address should be same domain.

For Example:

Note:

- Client IP address: 192.168.1.2
- Client Subnet mask: 255.255.255.0

Internet Protocol Version 4 (TCP/IPv4)	Properties	×
General		
You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings.	atically if your network supports ask your network administrator	
Obtain an IP address automatical	у	
Ouse the following IP address:		- 1
IP address:	192.168.1.2	
Subnet mask:	255.255.255.0	
Default gateway:		
Obtain DNS server address autom	atically	
• Use the following DNS server addr	resses:	
Preferred DNS server:		
Alternate DNS server:		
Validate settings upon exit	Advanced	
	OK Cance	I

- Host IP address: 192.168.1.1
- Host Subnet mask: 255.255.255.0

Internet Protocol Version 4 (TCP/IPv4)	Properties	×
General		
You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator	
Obtain an IP address automatical	у	
Use the following IP address:		
IP address:	192.168.1.1	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:		
Obtain DNS server address autom	atically	
Use the following DNS server address	resses:	
Preferred DNS server:		
Alternate DNS server:		
Validate settings upon exit	Advanced	
	OK Cancel	

2-2 Host and Client Network Setting Under OS

2-2-1 Turn Microsoft Defender Firewall Off

- 1. Select the Start button > Settings > Update & Security > Windows Security and then Firewall & network protection.
- 2. Three types of networks (Domain, Private, and Public) should be marked as Turn On.
- 3. Switch the setting to Turn Off.



2-2-2 Turn File Sharing On

- 1. Select the Start button > Settings > Network & Internet > Sharing options.
- 2. Expand All Networks.
- 3. Under Public folder sharing, select Turn on sharing so anyone with network access can read and write files in the Public folders.



Chapter 3 Realtek Management Console

3-1 Login

Login	. 1		
Protocol IP Address User name	DASH _ 192.168.1.2 Administrator		
Password Port	623		
	TLS Login		

In Manageability page, enter the following values to login.

- IP Address: 192.168.1.2
- User name: Administrator
- Password: Realtek

3-2 Manageability Menu

The Manageability displays a submenu for monitoring the information and function, includes Computer, Hardware, Operating System, Software Inventory, Remote Control, Boot Control, Event Log, Account Management, Role Management, Network Setting, Alert Indication, and KVM Redirection.

Protocol	DASH 👻	¥		
IP Address	192.168.1.2		KEALIEK	
User name	Administrator	ாடு படியில் 🗧	ZEVELEV	

Password	******			
Port	623			
	1	Profile Registration	1.0.1	
		Base Desktop and Mobile	1.0.1	
	ETIS Locout	Simple Identity Management	1.0.1	
	Logoue	Role Based Authorization	1.0.0	
Cupp	arted Profiles	BIOS Management	1.0.1	
Supp	orced Profiles	Boot Control	1.0.2	
Comp	outer	System Memory	1.0.0	
🗄 🚛 Hardı	vare	CPU	1.0.1	
- Coperation	ating System	DHCP Client	1.0.3	
C Softw	are Inventory	Fan	1.0.1	
Joint	are inventory	Indications	1.0.0	
Remo	ote Control	IP Interface	1.0.2	
- Boot	Control	KVM Redirection	1.0.1	
- Event	Log	Host LAN Network Port	1.0.2	
Accou	int Management	OS Status	1.1.0	
	inc Planagement	Physical Asset	1.0.2	
Role I	Management	Power State Management	2.0.1	
- 🔀 Netw	ork Setting	Power Supply	1.1.0	
- 🔒 Alert	Indication	Sensers	1.0.2	
		Sensors	1.0.2	
· Poure		Sensors	1.0.2	

3-2-1 Computer

This page displays the current information of the related device.

Protocol	DASH	1 L.J D	
IP Address	192.168.1.2		
User name	Administrator	ilente di	EALIEN
Password	*****		
Port	623		
		Name	192.168.1.2:623
		Primary Owner	SysAdmin
	ETIS Longet	Primary Owner Contact	ManagedSystem
	LUguu	Enabled State	Enabled
Current	sted Deeflee	Requested State	No Change
Suppo	rted Prones	Dedicated To	Desktop
Comp	uter	IdentifyingDescription	CIM:GUID
🗄 🗓 Hardw	are	OtherIdentifyingInfo	035E02D804D30519A706860700080009
- Copera	ting System	Power State	On
- Softw	are Inventory	Supported Power Change capabilt	Power State Settable
Soluw	are inventory		Power Cycling Supported
- Carla Remo	te Control		Off Hard Power Cycling Supported
- Boot (Control		HW Reset Supported
- Event	Log		Graceful Shutdown Supported
Accou	nt Management		
	Anna anna gernene Anna anna anna		
Kole P	lanagement		
- 🔀 Netwo	irk Setting		
- 🖡 Alert I	indication		
KVM F	Redirection		
	the set of second se		

3-2-2 Hardware

This page displays the hardware information of the related device, such as BIOS, Processor, Memory, Fan, Sensor, Battery, and Asset.









3-2-3 Operating System

This page displays the Operating System information of the related device.

		10		
IP Address	192.168.1.2			
User name	Administrator	Microsoft		
Deserved	******	Windows		
Password		[
Port	623	Name	Microsoft Windows 10 Enterprise	
		OS Type	121 (Microsoft Windows 10 64-bit)	
	E T C Land	Enabled State	Enabled	
	Logout	Requested Status	No Change	
Opera	ting System are Inventory			
Remo	te Control			
	Control			
Boot (1.0.0			
-Boot (Log			
Boot C	Log nt Management			
Boot C Event Accou	Log nt Management lanagement			
Boot C Event Accou	Log nt Management lanagement rk Setting			

3-2-4 Software Inventory

User can track the Bios and NIC Firmware information of the selected software.

	DASH -						
IP Address	192,168,1,2			0	0	0	0
User name	Administrator	SW:0	SW:1	SW:2	SW:3	SW:4	SW:5
Password	******	<					
Dort	622						
Port	025	Element Name Instance ID		BIOS Firmware Software:2151219	200		
		IsEntity		True			
	rted Profiles	_					
Suppo	rted Profiles						
Comp	uter						
Opera	ting System						
- Softwa	are Inventory						
- 🚾 Remot	te Control						
-Boot C	Control						
- 📆 Event	Log						
	nt Management						
Accou							
- Cou Role M	lanagement						
Role M	lanagement rk Setting						

3-2-5 Remote Control

User can power on/power off/power reset/power recycle/sleep and hibernate the remote system in Remote Control page.



3-2-6 Boot Control

User can configure the boot order of the devices attached in the managed client.

- Set Default: System always boot from the selected hard disk.
- Once Change: System boot one time from the selected hard disk



3-2-7 Event Log

This page displays the connected system event log information.

Drate col DACU		0				0
	()					
IP Address 192.168.1	.2		le de		<u></u>	oller
User name Administrator	INFO	н	W USE	R WARNI	NG ERROR	ALL
Paceword *****						
Passion						
Port 623	2024/02/0			and a second second		
	2021/09/0	3 03:35:03	starting hard-disk	initialization and te	st	
	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
🗖 TLS 🛛 🕻	ogout 2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
	2021/09/0	2 02:25:02	Starting hard-disk	initialization and to	st	
	2021/09/0	2 02:25:02	Starting hard-disk	initialization and to	st	
- Computer	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
Compacer	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	ct.	
Hardware	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
- 🛃 Operating System	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
— Software Inventory	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
Remote Control	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
Boot Control	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
Boot Control	2021/09/0	3 03:35:03	Starting hard-disk	initialization and te	st	
Event Log	2021/09/0	3 03:35:03	Starting USB resou	urce configuration		
- Account Management	2021/09/0	3 03:35:03	Starting USB resou	urce configuration		
- E Role Management	2021/09/0	3 03:35:03	Starting keyboard	controller initializat	ion	
Network Setting	2021/09/0	3 03:35:03	Starting USB resou	urce configuration		
Alast Indication	2021/09/0	3 03:35:02	Starting keyboard	controller initializat	ion	
Alerc Indication	2021/09/0	3 03:35:02	Starting video initia	lization		
KM Redirection	2021/09/0	3 03:35:02	Starting PCI resou	rce configuration		

3-2-8 Account Management

User can create different account and set the authority level.

Protocol	DASH -					
IP Address	192.168.1.2					
User name	Administrator	Administrator	New User			
Password	*****	Account Manag	ement	×		
Port	623					
	,	Name:	GBT			
	TLS Logout	Password:	*****	_		
erre -		Confirmation:	•••••	- 1		
Suppo	orted Profiles	Role:	Admin	-		
+ Comp	ware		Redirection Basic			
- 🛐 Opera	ating System					
- Softw	vare Inventory					
Remo	ote Control					
Boot	Control					
Accou	unt Management	Create		Cancel		
Role I	Management					
Netw	ork Setting					
📲 Alert	Indication					
- KKVM	Redirection					

3-2-9 Role Management

User can create new role and set the authority level.

Protocol	DASH -	1 0000	S once S and	S ones		
IP Address	192.168.1.2					
User name	Administrator	Admin	Redirection	Basic	New Role	
Password	*10683688					
Port	623	Role Ma	nagement	×		
	,	News				
		ivame:				
	Logout	Priva	Profile Registration Base Desktop and Mobile	^		
	orted Profiles		Simple Identity Managemen Role Based Authorization	t		
- 🔃 Comp	uter		BIOS Management Boot Control			
🗄 🛄 Hardv	vare		System Memory CPU			
Opera	ating System		DHCP Client Fan			
- Softw	are Inventory		Indications IP Interface			
Remo	te Control		KVM Redirection Host LAN Network Port	~		
Boot Boot			Create	Cancel		
- Accou	int Management					
Role N	Management					
- Netwo	ork Setting					
- 🔒 Alert I	Indication					
K KVM	Redirection					

3-2-10 Alert Indication

User can configure alerts to monitor the client system from selected event log(INFO, HW, USER, WARNING, ERROR, ALL).



Select any event log and click "Start listening alerts".

Realtek Management Console 0.	5.9.524(x64)				-		×
Discovery Manageability	Alert Indication						
Event	IP	Time	Attribute	Value			
		Events clear	ed completely!		Clear all	logs 🗙	
		► St	art listening alerts				
				14:37:33			

Server sent alerts to client after system reboot.

vent	IP	Time	 Attribute 	Value	
*. DASH Heart Beat	,	20210906 14:45:42	Indication Time	20210906 14:38:45	
32. Starting hard-disk init	. 192.168.1.2	20210906 14:38:45	Message	Starting hard-disk initialization and	test
31. Starting hard-disk init	192.168.1.2	20210906 14:38:43	MessageID	PET111	
30. Starting hard-disk init	. 192.168.1.2	20210906 14:38:42	SystemName	192.168.1.2	
29. Starting hard-disk init.	. 192.168.1.2	20210906 14:38:41			
28. Starting hard-disk init	. 192.168.1.2	20210906 14:38:40			
27. Starting hard-disk init	. 192.168.1.2	20210906 14:38:34			
26. Starting hard-disk init	. 192.168.1.2	20210906 14:38:33			
25. Starting hard-disk init	. 192.168.1.2	20210906 14:38:32			
24. Starting hard-disk init	. 192.168.1.2	20210906 14:38:31			
23. Starting hard-disk init	. 192.168.1.2	20210906 14:38:30			
22. Starting hard-disk init	. 192.168.1.2	20210906 14:38:29			
21. Starting hard-disk init	. 192.168.1.2	20210906 14:38:27			
20. Starting hard-disk init	. 192.168.1.2	20210906 14:38:26			
19. Starting hard-disk init	. 192.168.1.2	20210906 14:38:25			
18. Starting USB resourc	192.168.1.2	20210906 14:38:24			
17. Starting USB resourc	. 192.168.1.2	20210906 14:38:23			
Starting keyboard co	. 192.168.1.2	20210906 14:38:22			
15. Starting USB resourc	. 192.168.1.2	20210906 14:38:21	v		
		,			
		32 event(s) and 4	5 heart beat(s) happened	Clear	all logs
			Stop listening alerts		

3-3 Text Console Redirection (TCR)

The console redirection provides options for USB redirection and control for rebooting to BIOS.

 Enter BIOS Setup Step1 : Select Enter BIOS Setup.
 Step2 : Setup the Hotkey.
 Step3 : Click "Start TCR".
 Step4 : Reboot the system.

USB Redirection □ Using image file □ Using true device □ Using URL	After Rebooting Hotkey O Normal Boot BIOS Setup	Screen Siz
Starting TCR! Please wait	Enter BBS Popout S	2 • 0 100x31
Trusted Computing ASF Configuration Rardware Monitor S5 RTC Make Settings Serial Port Console Redirection CPU Configuration SATA Configuration COM Configuration CoM Configuration Info Report Configuration NVMe Configuration Offboard SATA Controller Configuration SATA Configuration	Hardware(DASH ><: Select Sc ^v/Click: Scl Enter/DD Cli	Protocol TELNE SSH Translatio Default UTF-8
Realtek FCIe GBE Family Controller (MAC:D8:5E:D3:19:A7 Realtek FCIe GBE Family Controller (MAC:D8:5E:D3:19:A7	186) [Pl: 187] [Pl: 187] Previous [Pl: Optimized [Pl: Bave & Ex ESC/Right Cli	Start TCR Stop TCR Start KVM

- Enter BBS Popout
 - Step1 : Select Enter BBS Popout.
 - Step2 : Setup the Hotkey.
 - Step3 : Click "Start TCR".
 - Step4 : Reboot the system.

k Management Console 0.5.9.524(x64)	- 🗆
nageability Console Redirection Firmware Update	
USB Redirection After Rebooting Hotkey Using image file ☐ Using true device ☐ Using URL	Screen Siz
Starting TCRI Please wait C Enter BIOS Setup Starting TCRI Please wait C Enter BIOS Setup C Enter BIOS Setup C Enter BIOS Setup Save	C 100x31
	Protocol
	• TELNET
/\ Please select boot device:	ି SSH
VEFT: Built-in EFT Shell Mindows Boot Manager (F5: TS128GMTS800) Enter Setup	Translatio
^ and v to move selection ENTER to select boot device EDE to boot using defaults	ି UTF-8
4	Start TCR
	Stop TCR
C.	Start KVM
14:55:14	

USB Redirection & KVM

Step1 : Select Using true device (from server's removable USB devices) or Using image file (from server's image files).

Step2 : Click "Start KVM".

	Realtek Management Console 0	5.9.524(x64)			
	Manageability Console R	edirection Firmware Update			
	USB Redirection Using image file D:\ Total size of sendin	☞ Using true device	IRL After Rebooting	Hotkey BIOS Setup DEL • BBS Popout F12 • Save	© 80x25
102 168 1 2				- 0 X	Protocol
192.108.1.2				×	 TELNET
Properties Open Rename Ac	teess Map network Add a network	Open			Translation
Location	edia • drive • location Network	Settings We Manage System			@ Default
🗧 🗉 🗠 🛧 💻 > This Pl	с ,	v 1	P Search This PC		C LITE-8
A	Folders (7)				
V A Quick access	Polices (7)	Decision	Decoments		
Desktop x	so objects	Desetop	Cocuments		itart TCR
Decuments x*	Downloads	Music	Pictures		top TCR
Fictures 🖈		.			
Music SOP	Videos				кор кум
Videos					
> 📥 OneDrive	Devices and drives (2)	121 121			
> 🛄 This PC	Local Disk (C:)	Transcend (D:)			
Transcend (D.)	34.2 GB free of 118 GB	12.7 GB free of 29.4 GB		_	
> 🔤 3DMark					
> 123					
> 9066_UAD_Win1					
9 items				[:: M	
- 23 - 49	-				
ANR County III					
T O Turne here to ce	and	o ∺ o = ÷ «		415 AM	
P Type here to se	earch	0 # 0 🗖 🕯 🕯	ੇ ©]94°F ∧ ট ¥ ⊕	48 9/3/2021 😼	
P Type here to se	earch Realtek Management Console 0: Manageability Console Ro	O H C E C C	2 	49 93/2021 📢	- 0 >
P Type here to se	Realtek Management Console 0 Manageability Console Re USB Redirection	O H C E Liste by date	After Rebooting	Hotkey	- Screen Size
P Type here to se	Realtek Management Console 0. Manageability: Console Ro USB Redirection VUSB Redirection VUSB Redirection	O Et C E E C E E C E E C E E E E E E E E	RL of Normal Boot	Hotkey BIOS Setup DEL	Screen Size
C Type here to se	Realts Management Concole 0. Manageabity. Console Re USB Redirection USB Redirection Using image file D:/zh-bw_windows_ Total size of earding	O H: C E C C C C C C C C C C C C C C C C C	After Rebooting	Hotkey BIOS Setup DEL • BBS Popout F12 •	Screen Size @ 80x25
P Type here to set	Realtek Management Console D Manageability Console Rid USB Redirection USB Redirection USB generation USB State (Console Rid USB State (C	O III CONSIDERATION CONSIDERA	After Rebooting "A Normal Boot C Enter BIOS Setup C Enter BIOS Setup	Hotkey BIOS Setup DEL - BBS Popout F12 - Save	- Screen Size • 80x25 • 100x31
92164.1.2	Rashak Managemeet Console 0. Manageabity: Console Re USB Redirection P Using image file D:\thrvw.windows_ Total size of sending	C R:	After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After RIOS Setup C Enter BIOS Setup	Hotkey BIOS Setup DEL BBS Popout F12 Save X	Screen Size © 80x25 © 100x31 Protocol
	Real-NA Management Console 0 Manageabity: Console 0 USB Redirectoria Using image file D:\Jn-twwindows_ Total size of sending	O III Construction Constructico Construction Construction Construction Construction Constructio	After Rebooting After Rebooti	Hotkey BIOS Setup DEL BBS Popout F12 Save	Screen Size © 80x25 © 100x31 Protocol © TELNET
Computer Computer Verv Ver	Anach Managament Consolt C USB Redirection P Using image file D:Vih-tw., windows, Total size of sending	C Et C En Constantino de la solución	After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting C Enter B05 Popout	Hotkey BIOS Setup DEL - BBS Popout F12 - Save	Screen Size © 80x25 © 100x31 Protocol © TELNET © SSH
C Type here to se	Paraha Raalad Managemeet Console Ru USB Redirection VSB Redirection VSB Redirection VSB redirection Distributive, windows, Total size of sending	Et E	After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After REOS Setup C Enter BIOS Setup C Enter BIOS Popout	Hotkey BIOS Setup IDEL = BIS Popout F12 = Save	Screen Size © 80x25 © 100x31 Protocol © TELNET © SSH
P Type here to se	Arach Manageably: Consult D USB Redirection USB Redirection USB redirection USB redirection Total size of sending	Ett 20060 Compare Update Compare Update Using true device Using true device Using true device Using true device Source sources Compare Sources Compare Sources	After Rebooting After	Hotkey BIOS Setup DEL = BBS Popul F12 = X	Screen Size © 80x25 © 100x31 Protocol © TELNET © SSH Translation
S2 16A 12 P Type here to se S2 16A 12 P P Type here to se P Type h	Rashah Management Canada O. Manageabity: Console Ra USB Redirection Vising Image file Dright-buy windows, Total size of sending	C Et C En Contractor de la contractor en Con	After Rebooting RL RL C Enter BOS Popout	Hotkey BIOS Setup [DEL - BBS Poput [F12 - Save	Screen Size © 80x25 © 100x31 Protocol © TELNET © SSH Translation © Default
Compare to se	Anarch Rashak Managemeet Console Ru USB Redirection Vising image file D'Uth two windows, Total size of sending Total size of sending Rashak Market Ada antewark Mensent	Et E	After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting Charles Bio Popul	Hotkey BIOS Setup DEL BBS Popout F12 - Save	Screen Size © 80x25 © 100x31 Protocol © TELNET © SSH Translation © Default © UTF-8
Carpeter Core Corecter Yee Sector The PC	Rashak Management Canada 0. Manageability Consele Re USB Redirection USB Redirection USB Redirection USB Redirection Discher von Management Total size of sending	Et E	After Rebooling After Rebooling After Rebooling After Rebooling After Rebool Enter BIOS Stepout	Hotkey BIOS Setup PEL BIOS Setup PEL BIOS Setup PEL Seve Seve	Screen Size © 80x25 ° 100x31 Protocol © TELNET ° SSH Translation © Default ° UTF-8
P Type here to se D Type here to s	Rashak Management Canada D. Manageabity: Console Ru USB Redirection USB Redirection USB Redirection USB Redirection Distributy.unidows. Total size of sending Total size of sending Returns Returns Selders (7)	Ett Evitation Ev	After Rebooting C Enter B05 Second	Hotkey BIOS Setup (PEL = BBS Popul FI2 = Save	Screen Size © 80x25 ° 100x31 Protocol © TELNET ° SSH Translation © Default ° UTF-8
S2 164.5.2 S2 164.5	Arach Manageabley. Console Ru USB Redirection Vising Redirection Vising Redirection Vising Redirection Total size of sending Total size of sending Total size of sending Research	Et E E E	After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After Rebooting After REOS Setup C Enter BES Popout P Search Tha PC C Decoments C Decoments	Hotkey BIOS Setup DEL BBS Popul F12X - X	Screen Size # 80x25 ^ 100x31 Protocol # TELNET ~ SSH Translation # Default ^ UTF-8 Start TCR
Consider y	Rashah Management Console 0. Manageabley, Console Re USB Redirection USB Redirection USB Redirection USB values (Di-yb-th-vy, windows, Total size of sending (Di-yb-th-vy, windows, (Di-yb-th-vy,	Et Et E E E E E S34,640 direction Firmware Update F Using True device F Using U Dubnines, editions, version, 21hi data is 335,00 KB in 1 seconds. E E C E	After Rebooling After Rebooling After Rebooling After Rebooling After Rebooling After RBOS Popout	Holkey BIOS Setup DEL BBS Popout FI2 - Save	Screen Size [®] 80x25 [∩] 100x31 [®] TELNET [∩] SSH [™] TESH [™] Default [™] UTF-8 Start TCR
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Realtek Management Console

3-4 Firmware Update

Step1 : Select UpdateFormURI (from server's NIC Firmware).

- Step2 : Choose the file.
- Step3 : Click "Start Update".

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irmware Update			
Legacy VpdateFromURI			
http://192.168.1.1:2379/68EPSPIK.bin			
		Start Update	
Firmware update success!!			