SUPPORT

Models supported include tDS-712, tDS-722, tDS-732, tDS-715, tDS-725, tDS-735, tDS-718, tDS-724 and tDS-734, tDSM-712, tDS-712i, tDS-722i, tDS-732i, tDS-715i, tDS-725i, tDS-735i, tDS-718i, tDS-724i, tDS-734i and tDS-715-T, tDS-718-T, tDS-715i-T, tDS-718i-T

WARRANTY

All products manufactured by ICP DAS are warranted against defective materials for a period of one year from the date of delivery to the original purchaser.

WARNING

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If you have any questions, please feel free to contact us. Email: <u>service@icpdas.com</u>

tDS-700 RevB / RevB2 Series

Firmware Update via Ethernet

Version: 1.6/ Updated: Feb. 2024

Ch. 0. How to identify your tDS-700_RevB type

Ch. 1. Setting up the tDS-700_RevB Module

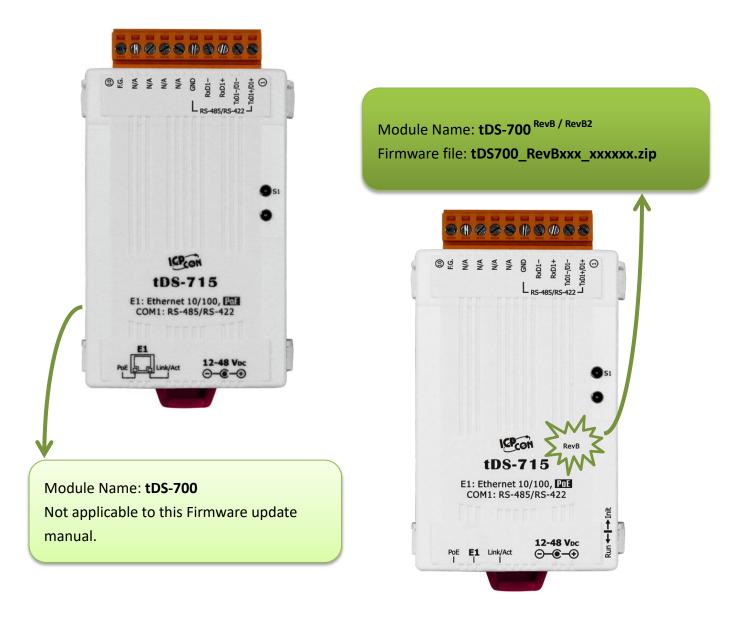
- Ch. 2. Firmware Update Procedure
- Ch. 3. Troubleshooting
- Ch. 4. Additional Information



0. How to identify your tDS-700 RevB / RevB2 module

Note: In this document, tDS-700_RevB will represent both the tDS-700 RevB and tDS-700 RevB2 modules.

When your tDS-700_RevB series module needs a firmware update, please check the module name on the front panel that without **"RevB"** or **"RevB2"** are not applicable to this firmware update, as shown in the figure below:



1. Setting up the tDS-700_RevB Module

Before updating the firmware, please ensure that the network settings for both your host computer and tDS-700_RevB modules are correctly configured, or the update procedures via the Ethernet network may not function correctly.

Step 1: Connect the tDS-700 _RevB to the same hub or the same sub-network as your Host PC, and attach a power supply to the tDS-700 _RevB. Do not connect the tDS-700 _RevB to a router or directly to the Internet as this may cause the update process to fail.

Please refer to "**Chapter 3-Connecting the Power and Host PC**" in the tDS-700_RevB Quick Start Guide for more detailed information.

Download the Quick Start Guide.

Step 2: Install the eSearch Utility on your Host PC, and then run the Utility to search for any tDS-700_RevB modules connected to the network.

File Server Tools						
Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Addres	
tDS-724_RevB	Tiny	192.168.255.1	255.255.0.0	192.168.0.1	00:0d:e0:8e:	
٠		111			ŀ	

Download the eSearch Utility.

Step 3: Configure the correct network settings for the required tDS-700_RevB module.

Server Name :	tDS-724_RevB				
DHCP:	0: OFF 🔹	Sub-net Mask :	255.255.255.0	Alias:	Tiny
IP Address :	10.0.8.100	Gateway :	10.0.8.254	MAC:	00:0d:e0:8e:07:24

Please refer to **"Chapter 4-Configuring Ethernet Settings"** in the tDS-700_RevB Quick Start Guide. If the IP address settings do not work correctly, please refer to **note1 (Page 24)**.

Download the Quick Start Guide.

2.Firmware Update Procedure

The firmware update can fail when the computer has multiple network interfaces (e.g., LAN and Wi-Fi). Therefore, enable only one network interface for updating the firmware, and temporarily turn off other network interfaces, firewalls, anti-virus software, VPN, VirtualBox, VMWare first.

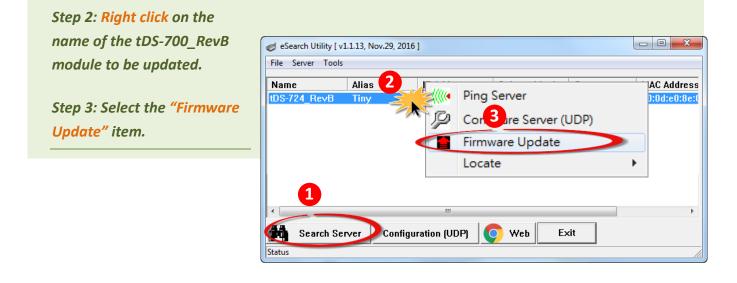
2.1tDS-700 RevB Firmware Update

The **"Local Firmware Update"** method requires the user to manually adjust the position of the Init/Run Switch and reboot the module in order to initialize the firmware update. Refer to <u>Section</u> 2.1.1 "Local Firmware Update" for more details.

The **"Remote Firmware Update"** method allows the user to initialize the module via a web interface without needing to adjust the hardware switch. Initialization via the web interface is useful when the module is installed at a remote site and can be accessed via the TeamViewer application installed on a remote PC. Refer to <u>Section 2.1.2 "Remote Firmware Update"</u> for more details.

2.1.1 Local Firmware Update

Step 1: In the eSearch Utility, click the "Search Servers" button to search for any tDS-700_RevB modules connected to the network . (The network settings as described in Step 3 on Page2)



Step 4: In the "Open" dialog box, select the firmware file (tDS700_RevB.dat) that will be used to update the module and then click the "Open" button.

	Open Open IDS700_RevB149_160816	
Download the Firmware File.	Organize ▼ New folder 4	!≡ ▼ 🔟 🔞
	☆ Favorites Name	Date modified Type
	Desktop	2017/1/13 下午 02: DAT File
	Downloads	
	Recent Places	
	Calibraries	
	Documents	
	J Music	
	E Pictures	
	Videos	
	🖷 Computer 🔻 🖌 💷	· · ·
	File name: tDS700_RevB.dat	✓ firmware file (*.dat)
		7

Step 5: Assign a valid IP Address (can be different with the current IP) and the factory-default MAC Address for the tDS-700_RevB module. If this IP address is invalid (e.g. IP Address: 0.0.0.0) or a user-defined MAC address is assigned. Refer to note 2 (Page 24) and note 3 (Page 25) for more details.

Step 6: Click the "OK" button.

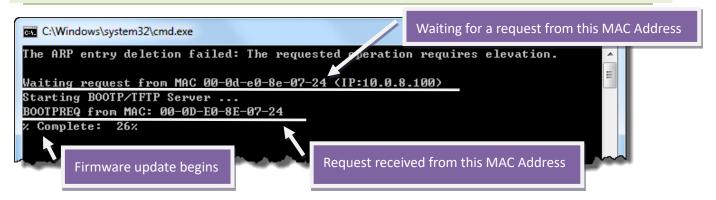
Firm	nware Update (Tiny Module only)
	File Name 0_RevB149_160816\tDS700_RevB.dat
	Note: This IP Address is depending on your network Valid IP Address while the MAC address in depending on your
5	IP Address 10.0.8.100 For Updating
	MAC Address 00:0d:e0:8e:07:24 MAC Finder
	6 OK Cancel Factory-default MAC Address

Step 7: You are now ready to update the firmware. A command prompt window will appear to show the progress of the update.



Step 9: Power-on reset the tDS-700_RevB module in "Init Mode" to initiate the update.

Step 10: Confirm that the two MAC addresses (factory-default) listed in the Command Prompt window, "Waiting request from MAC x.x.x.x" and "BOOTPREQ from MAC: x.x.x.x", are the same, as indicated in the image below. If these addresses do not match, the update cannot proceed. Refer to note4 (Page 25) below for more details.





Step 11: Once the update is complete (i.e., when the progress indicator reaches 100%), set to "Run Mode".

Step 12: Power-on reset the tDS-700_RevB module.

Step 13: In the eSearch Utility, search for the tDS-700_RevB module again to verify that it is functioning correctly. Note that the settings of the module may need to be reconfigured after updating the firmware. Refer to Step 3 in Chapter 1 above for more details.

Step 14: Click the name of the tDS-700_RevB module.

Step 15: Click the "Web" button and the default web browser will be opened.

🥑 eSearch Utility	/ [v1.1.13, Nov.29,	2016]			
File Server To	ools 14				
Name	Alias	iP Address	Sub-net Mask	Gateway	MAC Address
tDS-724_Rev	3 Tiny	10.0.8.100	255 .255.0	10.0.8.254	00:0d:e0:8e:
13			15		
					•
Search	Server Co	nfiguration (VDP)	Veb E	<it< td=""><td></td></it<>	

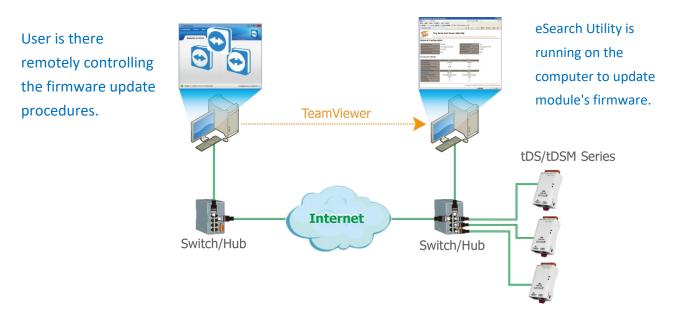
Step 16: A new password is required before the first login. Enter the default password "admin" in the "Current password" field, and enter the new password in both the "New password" and "Confirm new password" fields.

Step 17: Verify that the firmware version and date details are correct.

🔲 🥳 Tiny Dev	ice Server	× +				
← C (€	10.0.8.100					
					-	
TOD	Tiny D	evice Se	rver			
ICP	, 2	01100 00				
DAS	Home P	ort1 Port2 I	Network Filter Monitor	r Password Logout		
Change Passwe		O abarastara i				
The length of the Change-pas			assword is same as factor	ry setting.		
Current pa	ssword					
Current pa	SSWOID					
New pa	ssword ••••					
Confirm new pa	ssword ••••		Submit			
				17		
I						
		Tiny Device Se	erver × +			- 0 ×
		C ▲ 不該	安全 10.0.8.100		₽ A ☆ Ġ □ ✿ ✿	ha 😪 🥶 🜔
	ſ		Tiny Device Server			
			Home Port1 Port2 Network I			
		DAJ	Home Forti Fortz Network F	-mer wormor Fassword Log	jour	
		he system is logg o enter the web con	ed out. <u>afiguration</u> please type password in	the following field.		
		ogin password •••••	Sul	bmit		
					~	
Tiny Device Serv	rer × + 全 10.0.8.100				×	
	± 10.0.8.100	,		v= ₩ ≪ 😂 [visit to the page	
ICP	Tiny Device S	erver				
	Home Port1 Port2	Network Filter	Monitor Password Logout		Copyright © 2023 ICP DAS Co	o., Ltd. All rights reserved.
	odel Name tDS-725(i		Alias Name		Î	
	re Version B2.0.8 [Ju P Address 10.0.8.10		MAC Address TCP Command Port			
	tial Switch OFF		System Idle (s)			
Current port setti	ngs:					
Port	t Settings	Port 1	Port 2	l		
	Rate (bps) ow Control	115200,8N1 None	115200,8N1 None			
Allow Driv	er Control	Enable	Enable			
Local Connetion Idle	I TCP Port (Seconds)	10001 180	10002 180		Complete	
Pr Serial Data	efix String a Packing	N/A Port 1	N/A Port 2		-	
				DAS Co., Ltd. All rights reserve	ed.	

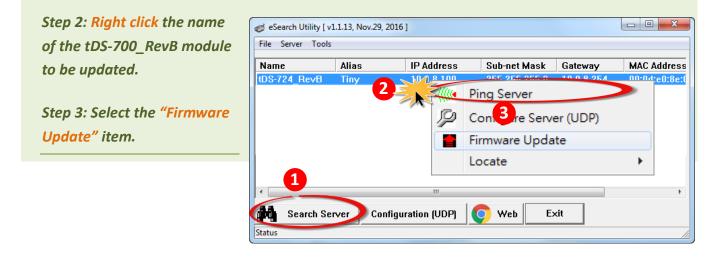
2.1.2 Remote Firmware Update

In order to perform a Remote Firmware Update, use an application that allows an external system to be remotely controlled, such as TeamViewer, to create a connection between the local and the remote system. Note that all firmware update procedures need to be carried out on the remote system.



Follow the procedure described below to update firmware of the tDS-700 RevB on the remote PC:

Step 1: In the eSearch Utility, click the "Search Servers" button to search for any tDS-700_RevB modules connected to the network . (The network settings are described in Step 3 of Chapter1)



Step 4: In the "Open" dialog box, select the firmware file (tDS700_RevB.dat) that will be used to update the module and then click the "Open" button.

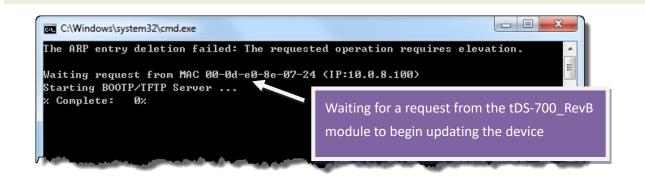
	♂ Open ○ ○ - ↓ + tDS700_RevB149_160816	
Download the Firmware File.	Organize 🔻 New folder	III 🕶 🔟 🔞
	★ Favorites	Date modified Type
	Desktop	2017/1/13 下午 02: DAT File
	Downloads	
	Secent Places ≣	\mathbf{i}
	Documents	
	Pictures	
	Videos 🗧	
	t∎ Computer	· ·
	File name: tDS700_RevB.dat	✓ firmware file (*,dat)
		Open Cancel

Step 5: Assign a valid IP Address (can be different with the current IP) and the factory-default MAC Address for the tDS-700_RevB module. If this IP address is invalid (e.g. IP Address: 0.0.0.0) or a user-defined MAC address is assigned. Refer to note 2 (Page 24) and note 3 (Page 25) for more details.

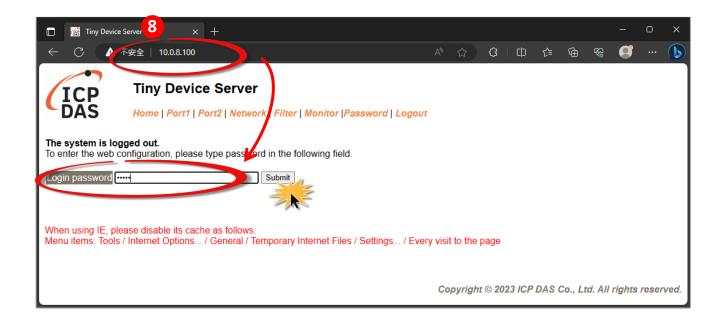
Step 6: Click the "OK" button.

Firm	nware Update (Tiny Module only)
	File Name 0_RevB149_160816\tDS700_RevB.dat
	Note: This IP Address is depending on your network Valid IP Address while the MAC address in depending on your
6	IP Address 10.0.8.100 For Updating
Ĭ	MAC Address 00:0d:e0:8e:07:24 MAC Finder
	6 Factory-default MAC Address
	OK Cancel

Step 7: You are now ready to update the firmware. A command prompt window will appear to show the progress of the update.



Step 8: Open a web browser and enter the URL for the tDS-700_RevB in the address bar of the browser and log in to the web configuration pages.



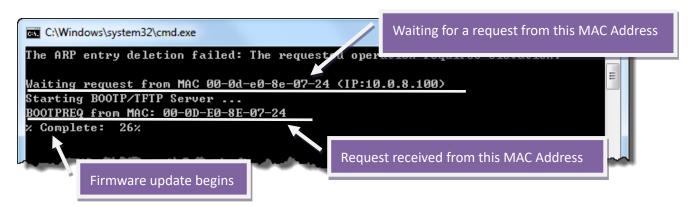
Step 9: Click the "Network" tab to display the Network Settings page.

Step 10: Click the **"Update"** button in the **"Firmware update via Ethernet"** section to start the update.

🔲 🥳 Tiny Device Server 🛛 🗙	+										_	0	×
← C ▲ 不安全 10.0.8.100					ជ	\$	CD	ເ∕≡	Ē	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Ø		
	e Server 9	Monitor	Password Log	out									
UDP Configuration		sable the U	DP Configuration,	Enable=	default.)							
UDP Alarm													
Alarm IP Address(UDP)	0.0.0	. 0											
Alarm Port(UDP)	54300												
Misc.													
Alias Name	<u> </u>	(Max.	19 chars)										
UART Watchdog	Tx:0 Rx:0 (30 ~ 65535 seconds	, 0=default	/disable) Action=Re	eboot									
Debug Message(UDP)	0	(1 ~ 2	55 seconds, 0=defa	ault/disa	ble) - R	eserve	b						
		U	pdate Settings										
Other Operations											•		
Restore all options to their factory	default states							l	Restor	e Defau	lits		
Reboot the module									R	eboot			
Firmware update via Ethernet If the remote firmware update is failed, then on-site firmware update is required to make the module working again. Step 1: Refer to firmware update manual first. Step 2: Run eSearch Utility to prepare and wait for update. Step 3: Click the [Update] button to reboot the module and start update. Step 4: Configure the module again.													
				C	opyrigh	t © 202	23 ICP	DASC	Co., Lt	d. All I	rights	reser	ved.

Step 11: Confirm that the two MAC addresses (factory-default) listed in the Command Prompt window, "Waiting request from MAC x.x.x.x" and "BOOTPREQ from MAC: x.x.x.x", are the same, as indicated in the image below. If these addresses do not match, the update cannot proceed. Refer to note4 (Page 25) below for more details.

Step 12: Once the update is complete (i.e., when the progess indicator reaches 100%), close the Command Prompt window.



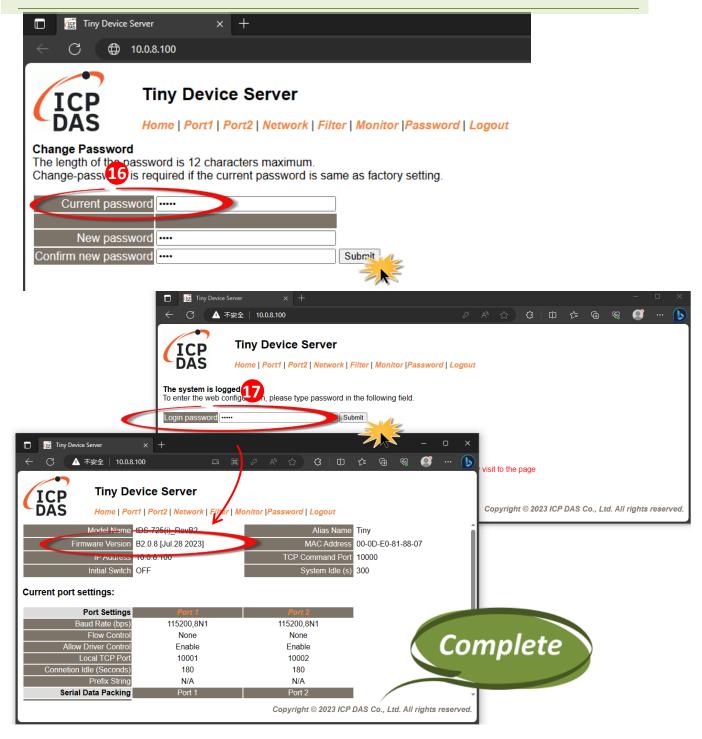
Note: If the Remote Firmware Update method fails, please refer to <u>Section 3.1 Firmware update in</u> <u>BOOT mode</u> (local operation) to restore the module.

Step 13: In the eSearch Utility, search for the tDS-700_RevB module again to verify that it is functioning correctly. Note that the settings of the module may need to be reconfigured after updating the firmware. Refer to Step 3 in Chpater1 above for more details.

Step 14: Click the name of	🥩 eSearch Utility [v1.1.13, Nov.29, 2016]	x
the tDS-700_RevB module	File Server Tools 2	
to highlight it.	Name Alias IP Address Supmer Mark Gateway MAC Address Stateway MAC Address	
	UDS-724_RevB Tiny 10.0.8.100 255.255.255.0 8.254 00:0d:et	UTOEN
Step 15: Click the "Web"		
button and the default		
web browser will be		
opened.		•
	Search Server Configuration (UDI) Web Exit	
	Status	

Step 16: A new password is required before the first login. Enter the default password "admin" in the "Current password" field, and enter the new password in both the "New password" and "Confirm new password" fields.

Step 17: Verify that the version and date details for the firmware are correct.

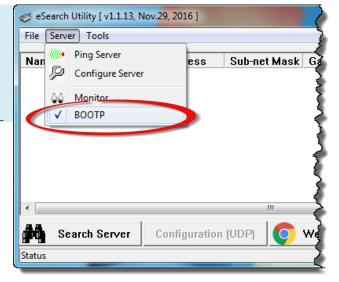


3. Troubleshooting

3.1 Firmware update in BOOTP mode

If the module is not functioning correctly (e.g. there is no response to the search request, or if the system LED is always displayed as either off or on), please download a new firmware from the ICPDAS web site and then update the firmware for the module using the following procedure.

Step 1: In the eSearch Utility, select the "BOOTP" item from the "Server" menu. A check mark should be displayed next to the item after it has been selected.





Step 3: Power-on and reboot the tDS-700 _RevB module and then click the "Search Servers" button to search for the tDS-700_RevB module at the same time. Note, the module sends BOOTP messages about 5 seconds when booting in Init Mode. If this step is not successful, reboot the module and execute the search again.

21 milli

Step 4: **Right click** on the name "BOOTP" and then select the "Firmware Update" item from the popup menu.

🥑 eSearch	Utility [v1.1.13, Nov.29	, 2016]			
File Serve	r Tools				
Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Address
BOOTP	Tiny	0.0.0	255 255 0 0	0 0 0 254	00.00.00.00.95.77
			Pin	g Server	
			D co	nfigure Server	(UDP)
			Fire Fire	mware Update	
			Lo	cate	+
•		III			F.
Se Se	arch Server Co	onfiguration (UDP)	📀 Web	Exit	
Status					

Step 5: Refer to Steps 4 to 17 in "Chapter 2-Firmware Update Procedure" to complete the update process. Note, the module will response with no IP address in the BOOTP mode. User has to assign a valid IP manually in step 5 of page4.

Firmware Update (Tiny Module only)	×	
File Name RevB208_20230728\tDS700_RevB.dat Note: This IP Address is depending on your network, while the MAC address in depending on your devi		You need to manually specify a valid IP address.
IP Address 0.0.0.0 For Updating		
MAC Address 00:0D:E0:82:AF:BC MAC Finder		
OK Cancel		

Step 6: After updating the firmware, disable BOOTP mode from the eSearch utility.

Search Utility [v1.1.13, Nov.29, 201	6]	_ D X
File Server Tools Nan Ping Server Configure Server Monitor BOOTP BOOTP	ess Sub-net Mask Gateway	MAC Address DHCP
Scarch Server Config Status	uration (VDP)	• • •

3.2 How to update Firmware when IP addresses of tDS-700_RevB and host PC are on different network segments?

The IP address of tDS-700_RevB module and Host PC, and the network access point (without passing through a router/gateway) must be in the same subnet for firmware update.

- If the network environment supports DHCP, you can refer to Method 1 to set the IP for the module.
- Alternatively, you can contact the network administrator to obtain a set of valid static IP addresses, referring to Method 2 to set the IP for the module.

Once the module's IP address is correctly configured, you can proceed with the firmware update.

Method 1: Using **"DHCP"** to automatically assigns an IP address to tDS-700_RevB module. Follow the procedure described below:

Note: Please consult your network administrator as this feature requires the presence of a DHCP server in the network environment.

Step 1: Run the eSearch Utility to search for tDS-700_RevB modules

Step 2: Double click the name of tDS-700_RevB to open the "Configure Server (UDP)" dialog box.



Step 3: Select the **"1: ON"** option from the **"DHCP:"** drop-down menu and click the **"OK"** button.

	Configure Server (UP Server Name :	DS-724_RevB				x
	DHCP:	1: ON	- Sp. het Mask :	255.255.0.0	Alias:	Tiny
	IP Address :	192.168.255.1	Gateway :	192.168.0.1	MAC:	00:0d:e0:8e:07:24
	Warning!! Contact your Ne	etwork Administrator t	o get correct configura	ation before any changin	g!	OK Cancel
l						

Step 4: Wait 2 seconds and then click the **"Search Servers"** button again to ensure the tDS-700_RevB is working well with new configuration.

🦪 eSearch Utility [🗸	/1.1.13, Nov.29, 20	16]			- 0 X
File Server Tool	S				
Name	Ali as	IP Address	Sub-net Mask	Gateway	MAC Address
tDS-724_RevB	Tiny	10.0.8.29	25 55.255.0	10.0.8.254	00:0d:e0:8e:07
	1				
	/				
4					
4					4
🚰 Search Se	rver Configu	ration (UDP)	📀 Web	Exit	
Status					/

Step 5: Refer to "<u>Chapter 2-Firmware Update Procedure</u>" for details of how to complete the update process.

Method 2: Using "Manual configuration" to assigns an IP address to tDS-700_RevB series module. Follow the procedure described below:

Step 1: Run the eSearch Utility to search for tDS-700_RevB modules

Step 2: Double click the name of tDS-700_RevB to open the "Configure Server (UDP)" dialog box.

🥩 eSearch Utility [v	1.1.13, Nov.29,	2016]			- 0 ×
File Server Tools	2				
Name	Alias	IP Address	Sub-net Mask	Gateway	MAC Address
tDS-724_RevB	Tiny	192.168.255.1	J.255.0.0	192.168.0.1	00:0d:e0:8e:(
		III			•
Search Se	rver Cor	nfiguration (UDP)	Web E:	×it	
Status					

Step 3: Select the **"0: OFF"** option from the **"DHCP:"** drop-down menu.

Step 4: Contact your Network Administrator to obtain a correct network configuration (such as IP Address/Sub-net Mask/Gateway). Enter the network settings and click the "OK" button.

rver Name : tDS-724_RevB				
ICP: 3 0: OFF Sub-net Mask: 255.255.255.0 Alias:	Tiny			
Address : 10.0.8.100 Gateway : 4 10.0.8.254 MAC:	00:0d:e0:8e:07:24			
Warning!! Contact your Network Administrator to get correct configuration before any changing! OK Cancel				
-				

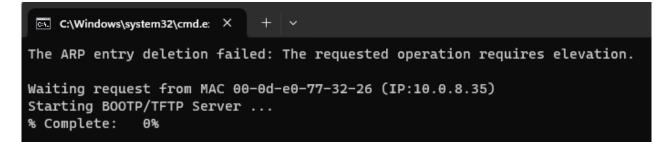
Step 5: Wait 2 seconds and then click the **"Search Servers"** button again to ensure the tDS-700_RevB is working well with new configuration.

🥑 eSea	arch Utility [v:	1.1.13, Nov.29,	2016]			- O X
File S	erver Tools					
Name		Alias	IP Address	Sub-net Mask	Gateway	MAC Address
tDS-7	24_RevB	Tiny	10.0.8.100	5 .255.255.0	10.0.8.254	00:0d:e0:8e:(
	6		m			,
	Search Se	rver	ifiguration (UDP)	Veb E>	cit	
Status						

Step 6: Refer to "<u>Chapter 2-Firmware Update Procedure</u>" for details of how to complete the update process.

3.3 How to solve issues encountered during Firmware update

Issue 1: If the update progress is stuck at 0% with no response.



Solution: After completing the following steps, please Power-on reset the module.

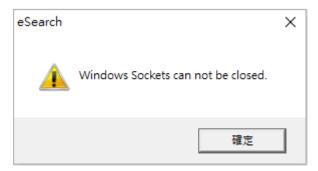
- Step 1: Please make sure that the Init/Run Switch of the module is in the "Init" position.
- Step 2: Turn off the firewall and antivirus software.
- Step 3: Make sure there is no multiple IPV4 configuration. (Refer to section 3.3, Question 2)

Issue 2: If there are multiple network adapters connected on the computer (LAN, Wi-Fi, VPN, VirtualBox, VMWare etc.), the following warning will appear during the subsequent eSearch firmware update.



Solution: Pleaes disable the other network interfaces, leave only the single one connected to the module. RUN the update process again.

Issue 3: When users fail to properly close the Command Prompt window during the Firmware update, it may result in the occupation of the Socket. Subsequently, when using eSearch to update Firmware, the following warning may appear.



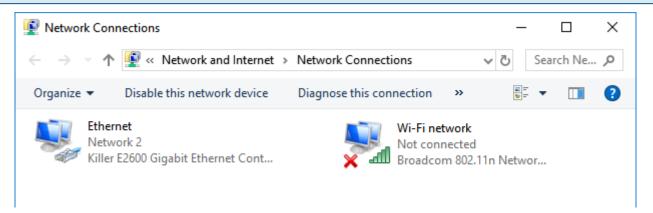
Solution: Please close the eSearch Utility and the Command Prompt window. Afterward, reopen the eSearch Utility and perform the update process again. If the warning message persists, please restart your computer.

If you encounter the aforementioned issues and all solutions fail, please refer to the following steps: Connect the module directly to the PC and perform the Firmware update without an external network connection.

Before starting the operation, please switch to a relatively clean computer environment. Users need to manually set an IP address to communicate with the tDS-700_RevB module connected to the same subnet.

Please refer to the instructions on how to set up the computer's IP: <u>How to Set a Static IP Address</u> (trendnet.com)

Steps 1: Disable all network connections except for the one used to connect to the tDS-700_RevB module. In the example below, it is evident that Wi-Fi is not connected at this time.



Steps 2: The module's default IP address is 192.168.255.1. Set your computer's IP address to something other than the module's setting, for example, 192.168.255.10.

Internet Protocol Version 4 (TCP/IPv4) Properties						
General	General					
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatically						
Use the following IP address:						
IP address:	192 . 168 . 255 . 10					
Subnet mask:	255.255.0.0					
Default gateway:						
Obtain DNS server address automatically						
Preferred DNS server:						
Alternate DNS server:						
Validate settings upon exit	Advanced					
	OK Cance	!				

Steps 3: Please disable the firewall and antivirus software, and unplug all other network cables, leaving only the network cable connection between the tDS-700_RevB module and the computer. Note: If the tDS-700_RevB module is powered via PoE, the PoE switch should not be connected to the external network. If the tDS-700_RevB module is powered via DC, simply connect one network cable to both the computer and the module

Subsequent steps, please refer to "Chapter 2 - Firmware Update Procedure" Steps 1 to 17 to complete the firmware update (subsequent update procedure steps are the same). Note: In Step 5 on page 4, users can directly use the default IP 192.168.255.1 without making any changes.

4. Additional Information

The code contained in the boot loader, which is used to update the firmware image, is not part of the firmware it-self. This means that, the firmware can still be updated even if the built-in firmware has been corrupted or does not exist. If the firmware update fails, simply execute the update procedures again in BOOTP mode, as described in Chapter 3, and the update should be successful.

The tDS-700_RevB series obtains the IP address assigned by the user and retrieves the firmware image through the utility program. *Note that when updating the firmware, the tDS-700 RevB series uses the factory-default MAC address rather than any user-defined MAC addresses.* The tDS-700 _RevB series has a built-in flash protection feature that prevents any modification to the firmware stored in the flash memory, before attempting to update the firmware, the Init/Run Switch should be set to the "Init" position and then the tDS-700_RevB series can be **powered-on and rebooted** to

disable the flash protection. Since the flash memory then becomes writable, the firmware can be updated via the Ethernet network.

Mode	Flash Protection	Firmware Update	Configuration
Init	No	Yes	Factory-default
Run	Yes	No	User-defined

Notes:

Note 1: If the IP address settings do not work correctly (e.g. there is no response to a ping command), please contact your network administrator to obtain a valid IP address for the tDS-700_RevB series module.

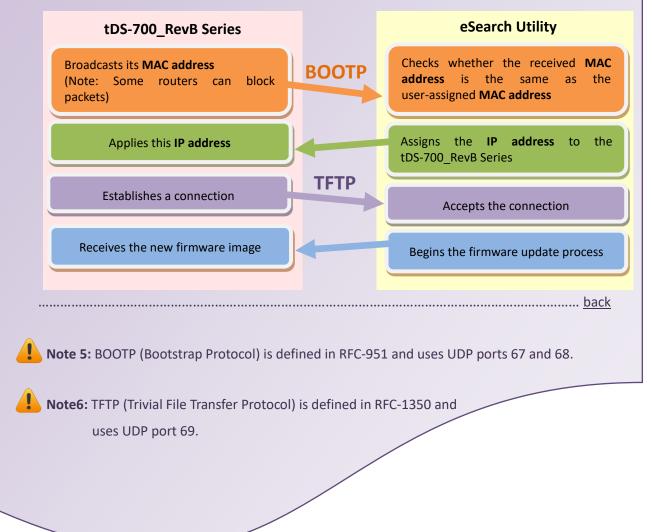
Note 2: If the settings displayed in the IP address field of the firmware update window is incorrect or invalid (e.g. IP address: 0.0.0.0), then a valid IP address which in the same subnet must be manually specified for the tDS-700_RevB series in order to process the update operation. Please contact your network administrator to obtain a valid IP address before proceeding.

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Note 3: When updating the firmware, the factory-default MAC address is used rather than the user-defined MAC address. Thus, the MAC address (user-defined) displayed in the firmware update window may not be the one required. If this is the case, the factory-default MAC address should be manually entered into the MAC Address field, or restore the MAC address to the factory-default settings via the web configuration pages.

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Note 4: The "BOOTPREQ from MAC: xx-xx-xx-xx-xx" message indicates there is a module with the factory-default MAC address "xx-xx..." that is asking for the firmware to be updated. The update process will not begin if you assign a user-defined MAC address in the firmware update window, since the addresses do not match. If this situation occurs, repeat the update procedure and manually enter the factory-default MAC address in the firmware update window, as described in <u>Step 5 on Page 4</u>. The firmware update procedure is illustrated in the figure below.



tDS-700 RevB Series Firmware Update via Ethernet (Ver. 1.6/Feb. 2024)