4G Router Manual

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Chapter 1 Login

| | Wireless Network |
|------------|-----------------------|
| Status | |
| Connection | Enter Admin Password: |
| Firewall | Login |
| System | |
| Logout | |

Log in to the computer network to automatically obtain an IP address.

Default IP address: 192.168.110.251, Default login password: password;

Chapter 2 Status

2.1 Overview

| | | | Wireless Network |
|-----------------|------------------------------|-------------------------------------|------------------|
| <u>Status</u> | | | ^ |
| > Overview | Memory Usage: | 15.8MB / 122.2MB (12.9%) | |
| Connected Hosts | Connections: | 442/16384 | |
| Connection List | CPU Load Averages: | 0.17 / 0.24 / 0.11 (1/5/15 minutes) | |
| Connection | - | _ | |
| | Uptime: | 0 days, 0 hours, 3 minutes | |
| Firewall | Current Date & Time: | 2019/07/18 14:57 UTC+8 | |
| System | | _ | |
| Logout | LAN IP Address: | 192.168.110.251 | |
| Logout | LAN Netmask: | 255.255.255.0 | |
| | LAN MAC Address: | 74:96:37:09:62:18 | |
| | | 10.10.174.249 | |
| | 4G IP Address: 4G Netmask | 255 255 255 240 | |
| | 4G Gateway IP: | 10.10.174.249 | |
| | SIM Card Slot: | SIM1 | |
| | 4G Signal Strength: | Strong | |
| | | — | |
| | DNS Server: | 211.136.17.107 211.136.20.203 | |
| | | _ | |
| | WAN IP Address: | - | |
| | WAN Netmask: | - | |
| | WAN MAC Address: | 74:96:37:09:62:19 | |

2.1.1 Hardware status

Memory usage, number of connections, and CPU usage (Timeline 1/5/15 minutes respectively).

2.1.2 Time status

System runtime and world time $_{\circ}$

2.1.3 LAN port

LAN IP Address, LAN Netmask, LAN MAC Address .

2.1.4 G Network

4G IP Address, Netmask, Gateway IP, SIM Card Slot, Singal Strength $_{\circ}$

Note: 4G router reads SIM1 (lower card slot) by default. When the 4G router is started, the Ping watchdog function detects network connectivity. If no response is received within the maximum time limit, 4G router will automatically restart and automatically switch to SIM2 (Upper card slot), continue to detect after reboot, until the network is back to normal. This process takes about 8-9 minutes, please be patient.

2.1.5 DNS Server

DNS Server

2.1.6 WAN Port (WAN port needs to be connected to the external network)

WAN IP Address, Netmask, MAC_{\circ}

2.2 Connected Hosts

| | | | | | Wireless | Network |
|--|--|--------------------|----------------------|--------------------|--------------------|-------------|
| Status Overview ➤ Connected Hosts Connection List | Refresh Rate 10 Seconds ▼ This specifies how a | frequently data on | this page is reloade | d | | |
| Connection | - Current DHCP Leas | es | | | | |
| | Hostname | Host IP | Host MAC | Lease Expires | | |
| Firewall | SC-201808131922 | 192.168.110.182 | 9C:EB:E8:11:34:3A | 11h 54m | | |
| System Logout | - Connected Wireles | s Hosts | | | | |
| | Hosts with Active of Hostname | Host IP | Host MAC | Active TCP Cxns | Recent TCP Cxns | UDP Cxns |
| | (unknown) | 10.10.174.248 | unknown | 0 | 0 | 12 |
| | TD-954G2 | 127.0.0.1 | unknown | 0 | 0 | 2 |
| | SC- 201808131922 | 192.168.110.182 | 9C:EB:E8:11:34:3A | 99 | 262 | 16 |
| | | | | | | |

You can set the page refresh time to display DHCP lease user information, active users.

2.3 Connection List

| | | | | | Wireless Netw | vork |
|-----------------------------|----------------------------------|---------------------|--------------------------------|----------|---------------|------|
| <u>Status</u> | - Current Connections | 5 | | | | ^ |
| Overview Connected Hosts | Refresh Rate: | 2 Seconds | • | | | |
| Connection List | Bandwidth Units: | Auto (Mixed | | | | |
| | Proto WAN Host/ | Display Host | Putos Up/Down | 17 Proto | | |
| Connection | 10.10.174.24 | 8:51609 | 224.578 KBytes | L7 Proto | | |
| Firewall | tcp 111.45.68.20 | 07:443 | 7.382 KBytes | | | |
| System | tcp 10.10.174.24 183.240.115 | 8:51601 .248:443 | 214.101 KBytes 6.287 KBytes | | | |
| | tcp 10.10.174.24 183.232.152 | 8:51300 .223:443 | 185.267 KBytes 6.095 KBytes | | | |
| | tcp 10.10.174.24 183.232.152 | 8:51538 .223:443 | 174.070 KBytes 4.950 KBytes | | | |
| | tcp 10.10.174.24 111.45.68.25 | 18:51291 i0:443 | 166.088 KBytes 5.373 KBytes | | | |
| | tcp 10.10.174.24 203.208.50.8 | 8:51278 8:443 | 155.884 KBytes 3.559 KBytes | | 7 | |
| | tcp 10.10.174.24 203.208.50.8 | 8:51648 8:443 | 147.143 KBytes 3.325 KBytes | | | |
| | tcp 10.10.174.24 112.47.1.222 | 8:51537 2:443 | 137.009 KBytes 4.409 KBytes | | 7 | |
| | tcp 10.10.174.24 183.240.115 | 8:51297 .248:443 | 121.572 KBytes 3.720 KBytes | | | |
| | tcp 10.10.174.24 111.45.68.20 | 18:51296 17:443 | 108.236 KBytes 3.526 KBytes | | 7 | |
| | tcp 10.10.174.24 111.45.68.25 | 8:51298 i0:443 | 102.444 KBytes 3.370 KBytes | | | |
| | tcp 10.10.174.24 112.47.1.222 | 8:51595 2:443 | 101.985 KBytes 3.397 KBytes | | | |
| | tcp 10.10.174.24 183.232.152 | 8:51550 .223:443 | 100.695 KBytes 2.668 KBytes | | | |
| | 10.10.174.24 | 8:51619 | 99.543 KBytes | | | - |
| | | | | | | |

1-You can set the page refresh time, you can modify the traffic data unit, display mode host name / IP.

Chapter 3 Connection

3.1 Basic settings

| | | Wireless Network |
|-------------------|---------------------------------------|--|
| Status | Internet / WAN | í |
| <u>Connection</u> | Connect Via: | DHCP (Wired) |
| Basic DHCP | Current IP: Current Lease Expires: | Renew Lease Now |
| APN | Use Custom MAC Address: | 74:96:37:09:62:19 |
| Ping Watchdog | Use Custom MTU: | 1500 |
| Firewall | - Local Natwork / LAN- | |
| System | Local Network / LAN | |
| | Router IP: | 192.168.110.251 |
| Logout | Subnet Mask: | 255.255.255.0 |
| | DNS Servers: | Default DNS Servers Specified by ISP 🔻 |
| | | Allow <u>NameCoin/OpenNIC</u> Resolution Force Clients To Use Router DNS Servers |
| | | |
| | Wireless Mode: | Access Point (AP) 🔻 |
| | Operation Mode: | N+G+B T |
| | Channel Width: | 40MHz (2nd chan. below) ▼ |
| | Transmit Power: | Max 28 (0 - 28dBm) |
| | Wireless MAC Filter: | Disabled T |
| | Access Point SSID | |
| | Wiseless Chappel | Iodaar_4G |
| | wireless channel: | |

3.1.1 Internet/WAN

DHCP (wired) - The WAN port connects to the upper-level route, and automatically obtains the external network resources allocated by the superior route to access the Internet, or dials the Internet using the 4G card*1.

Note: 4G SIM card loading instructions: 1. Make sure the SIM card supports the local operator network. 2. This product provides dual card slots (does not support dual SIM cards at the same time, and supports automatic switching of dial-up SIM after disconnected network). 3. The size of the SIM card is a standard card. When inserting, the oblique opening is inward and the contact is downward.

| | | Y TY TY |
|----------------------|---|--|
| Status | Internet / WAN | Wireless Network |
| Basic DHCP | User Name: Password: | PPPoE (Wired) |
| APN Ping Watchdog | Reconnect Mode: Failed Pings Before Reconnect: | Keep Alive |
| System | Use Custom MAC Address: Use Custom MTU: | 5 (seconds) 74:96:37:09:62:19 1500 |
| | Local Network / LAN | |
| | Router IP: Subnet Mask: | 192.168.110.251 255.255.255.0 |
| | DNS Servers: | Default DNS Servers Specified by ISP Allow <u>NameCoin/OpenNIC</u> Resolution Force Clients To Use Router DNS Servers |
| | - Wireless | |
| | Wireless Mode: Operation Mode: Channel Width: | Access Point (AP) ▼ N+G+B ▼ 40MHz (2nd chan. below) ▼ |
| | Transmit Power: Wireless MAC Filter: | Max ▼ 28 (0 - 28dBm) Disabled ▼ |

PPPoE(Wired)- Connect the Modem to the WAN port, fill in the broadband account password and dial the Internet.

| | | Wireless Networ |
|---------------|-------------------------|---|
| Status | Internet / WAN | |
| Connection | Connect Via: | Static IP (Wired) 🔻 |
| Basic | Static IP: | 10.1.1.10 |
| APN | Subnet Mask: | 255.255.255.0 |
| Ping Watchdog | Gateway: | 127.0.0.1 |
| | Use Custom MAC Address: | 74:96:37:09:62:19 |
| irewall | Use Custom MTU: | 1500 |
| ystem | Local Network / LAN | |
| ogout | Router IP: | 192.168.110.251 |
| | Subnet Mask: | 255.255.255.0 |
| | DNS Servers: | Default DNS Servers Specified by ISP 🔻 |
| | | Allow <u>NameCoin/OpenNIC</u> Resolution Force Clients To Use Router DNS Servers |

Static IP(Wired)- Manually fill in the static IP address to obtain the upper-layer routing external network resources.

| | | Wireless Netwo |
|---------------|---|---|
| tatus | Use Custom MTU: | 1500 |
| Connection | – Local Network / LAN – | |
| Basic | Router IP: | 192.168.110.251 |
| APN | Subnet Mask: | 255.255.255.0 |
| Ping Watchdog | DNS Servers: | Default DNS Servers Specified by ISP 🔻 |
| rewall | | Allow <u>NameCoin/OpenNIC</u> Resolution Force Clients To Use Router DNS Servers |
| stem | Wireless | |
| gout | Wireless Mode: Operation Mode: | Access Point (AP) V N+G+B V |
| | Channel Width: Transmit Power: | 40MHz (2nd chan. below) ▼ Max 28 (0 - 28dBm) |
| | Wireless MAC Filter: | Disabled ▼ |
| | Access Point SSID: | Todaair_4G |
| | Wireless Channel: | 11 • |
| | Encryption: | None |
| | Broadcast SSID: Wireless Client Isolation: | Enabled Disabled |
| | Save Changes > | Reset |

3.1.2 Local Network/LAN

Users can modify the router IP, mask, DNS and other information.

| | Wireless Network |
|-------------------|--|
| Status | C DHCP |
| <u>Connection</u> | ✓ LAN DHCP Server Enabled |
| Basic | DHCP range: |
| > DHCP | Start: 192.168.110. 100 |
| APN | End: 192.168.110. 250 |
| Ping Watchdog | Lease Time: 12 (hours) |
| Firewall | |
| System | Static IPs Block MAC addresses assigned a static IP that connect from a different IP |
| Logout | Add Static IP Address: |
| | Hostname MAC IP (optional) |
| | bbA |
| | Select Hostname/MAC From Currently Connected Hosts 🔻 |
| | Assigned Static IP Addresses: |
| | Save Changes > Reset > |

3.1.3 Wireless

Users can modify the wireless status, including wireless mode, operation mode, Channel Width, power, broadcast SSID, channel, encryption/non-encryption, broadcast/non-broadcast.

Wireless MAC Filtering - Users can edit the MAC black/white list by themselves.

3.2 DHCP

3.2.1 DHCP&Static IPs

Users can open the DHCP server, range, lease time, and so on. Or customize the client IP.

3.3 APN

| | | | | Wireless | Network |
|---------------|---|------------------|---------|----------------|---------|
| Status | APN Configuration | | | | |
| Connection | Enable/Disable: | Enabled • |] | | |
| Basic | APN: | | | | |
| | PIN Code: | | | | |
| Ping Watchdog | Username: | | | | |
| | Password: | | | Display/Hidden | |
| Firewall | Authentication Type(pap, chap, both, none): | | | | |
| System | IP-Stack Mode(IP,IPV6,IPV4V6): | | | | |
| Logout | PLMN Code(MCC+MNC): | | | | |
| | Delay(No change recommended): | 15 | Seconds | | |
| | | | | | |
| | Save Changes > Re | set 🕟 | | | |
| | | | | | |
| | | | | | |

Users can set according to the APN settings provided by the operator.

3.4 Ping Watchdog

| | | | Wireless Network |
|---|--|---------------------------------------|------------------|
| Status Connection Basic DHCP APN ➤ Ping Watchdog Firewall System Logout | Ping Watchdog Address: Interval: Save Changes > | qq.com 2 Minutes T Reset | |

The "Ping Watchdog" function is a function of 4G router detection network connectivity. It sends a Ping packet to a specified address periodically. If the reply is received normally, the network is unobstructed. If no response is received within the maximum time limit, the 4G route will automatically restart. After the restart, the detection will continue until the network returns to normal.

Chapter 4 Firewall

4.1 Connection Limits & Restrictions

| | | 1 L | | Wireless Network |
|---|---|----------------------|---|------------------|
| Status Connection Firewall Connection Limits | Connection Limits Max Connections: TCP Timeout: UDP Timeout: | 16384 7440 180 | (max 16384) seconds (max 3600) seconds (max 3600) | |
| System Logout | Save Changes > | R | eset 🔊 | |

| | | | | Wireless Network |
|-------------------------------------|--|-----------------------|---|------------------|
| Status | -Access Restrictions | | | |
| Connection | New Restriction Rule: Rule Description: | | | |
| <u>Firewall</u> | Rule Applies To: | All Hosts | • | |
| Connection Limits > Restrictions | Schedule: | 🖉 All Day 🗹 Every Day | | |
| - Restrictions | Restricted Resources: | All Network Access | | |
| System | Add New Rule | | | |
| Logout | | | | |
| | Current Restrictions: | | | |
| | -Exceptions (White List) | <u></u> | | |
| | New Exception: | | | |
| | Exception | | | |
| | Exception Applies To: | All Hosts | • | |
| | Schedule: | 🖉 All Day 🗹 Every Day | | |
| | Permitted Resources: | All Network Access | | |
| | Add New Rule | | | |
| | | | | |
| | Current Exceptions: | | | |
| | | | | |
| | Save Changes > | Reset > | | |
| | | | | |
| | | | | |

Users can set connection restrictions and access rules according to actual needs.

Chapter 5 System

5.1 Router Access

| | | ALA | Wireless Network |
|---------------------------|---|-----------------------------------|------------------|
| Status | Web Access | | |
| Connection | Web Admin Protocol: Local HTTP Port: | HTTP & HTTPS V | |
| Firewall | Local HTTPS Port: | 443 | |
| <u>System</u> | Remote Web Admin Access: | Disabled • | |
| ► Router Access | Web Login Session Length: | 15 minutes 🔻 | |
| Restore | Disable password protection of | f web interface(Not Recommended!) | |
| Update Firmware Reboot | SSH Access | | |
| Langet | Local SSH Port: | 22 | |
| Logout | Enable Remote SSH Access | | |
| | Remote SSH Port: | 22 | |
| | Max Remote Login Attempts: | 10 Attempts Every Five Minutes | T |
| | Change Administrator Password — | | |
| | New Password: | | |
| | Confirm Password: | | |
| | | | |
| | Save Changes > Res | set 🕥 | |

Users can modify the Web access rule settings, SSH access settings, and modify the login password.

5.2 Time

| | Wireless Network |
|--|---|
| Status | _ Time |
| Connection | Current Date & Time: 2019/07/18 15:00 UTC+8 |
| Firewall | Time Zone: |
| System Router Access Time Restore | UTC+08:00 China, Hong Kong, Singapore, Taiwan, Russia ▼ Date Format: yyyy/mm/dd ▼ NTP Servers: 2.asia.pool.ntp.org |
| Reboot | Asia I.asia.pool.ntp.org O.asia.pool.ntp.org |
| | Save Changes 🦻 Reset 🕥 |

Set the corresponding time zone, date format and NTP (time) server. After the external network connection is successful, it will be calibrated according to the settings.

5.3 Restore

| | Wireless Network |
|---------------|-----------------------------------|
| Status | Restore Default Configuration |
| Connection | Restore Default Configuration Now |
| Firewall | |
| <u>System</u> | |
| Router Access | |
| Time | |
| ► Restore | |
| Reboot | |
| Logout | |

Web interface control to restore settings

Hardware control to restore settings, long press the reset button for 8-10 seconds.

5.4 Update Firmware

| | | Wireless Network |
|---|--------------------------------------|---|
| Status | Upgrade Firmware Current Version: | TD-954G2 ZE1.22-20190712 |
| Connection Firewall System Router Access | Select Firmware File: | 选择文件 未选择任何文件 Firmware should be a combined .img file Attempt to Preserve Settings |
| Time Restore ➤ Update Firmware Reboot | Upgrade Now | |
| Logout | | |

Choose the firmware provided by the company to upgrade.

5.5 Reboot

| | Wireless Network |
|----------------------------|------------------------|
| Status | Reboot |
| Connection | Reboot Now > |
| Firewall | Scheduled Reboot |
| <u>System</u> | No Scheduled Reboot |
| Router Access Time | |
| Restore Update Firmware | Save Changes > Reset > |
| ▶ Reboot | |
| Logout | |
| | |
| | |
| | |
| | Wireless Network |
| Status | Reboot |
| Connection | Reboot Now 📀 |

| Connection | Reboot Now > |
|-----------------|-------------------------------|
| Firewall | |
| <u>System</u> | Reboot Scheduled 🔻 |
| Router Access | Device Will Reboot: Every Day |
| Time | Rebot Hours 1200 AM |
| Restore | |
| Update Firmware | |
| ▶ Reboot | Save Changes > Reset > |
| Logout | |
| | |

Reboot now or schedule automatic reboot time $_{\circ}$

Chapter 6 Logout

Execute to exit the current login status.