

AirLive Industrial AIoT M2M

M2M-4G5AC

Web Manual



Table of Contents

Product Description	2
Features	2
Main Features.....	3
Industrial Application Design.....	3
Rugged, Stable, and Reliable	3
Product Views.....	4
LED Description	4
Quick Start.....	5
Mounting Accessories	5
Connect to the Internet	5
Login to the router	7
WebUI Login.....	7
Setup Wizard.....	7
Device Status	11
Services – DTU	12
Services – GPSD	12
Services – Ser2Net	13
Services – Network Shares.....	13
Network – Interfaces	14
Network – Wi-Fi.....	15
Network – Switch	15
Network – DHCP and DNS	16
Network – Firewall.....	16
Network – Routes.....	17
Network – Cellular.....	18
Network – Diagnostics	19
Network – Load Balancing	19
System – System	19
System – RemoteManager	20
System – Mount Points	20
System – Backup/Flash Firmware	21
System – Reboot.....	21
System – Watchcat	22
VPN – GRE	22
VPN – PPP.....	23
VPN – OpenVPN.....	23
Typical Application – APN/VPDN Dedicated Network Card	23
Typical Application – Wi-Fi Relay / Repeater.....	25
Typical Application – Port Mapping.....	27

Product Description

The AirLive M2M-4G5AC is an industrial 4G wireless router that integrates multiple functions such as Wi-Fi transmission, local resource sharing, cellular mobile Internet access, precise GPS positioning, serial port pass-thru transmission. It provides more processing performance, richer interfaces and higher network connection speed than ordinary industrial routers. This product is suitable for different application types and scenarios, such as car Wi-Fi, video transmission, PLC remote control, smart express cabinet, video surveillance, 4G access application etc.

Features

- Dual-core processor, faster and more powerful processing speed
- Support 4G Network Access
- Industrial grade design, support use in high and cold temperature
- Full Metal enclosure, higher safety index, better corrosion resistance
- Gigabit Network Port Design for faster link communication
- Support network port function definition and customization
- Support Wi-Fi 802.11b/g/n/ac up to 1200Mbps max. data speed
- Maximum Wi-Fi user connection exceeds 60+
- Wide Power Voltage Design
- Linkable to an external serial device
- USB2.0 interface port
- Optional dedicated precise GPS positioning
- Hardware watchdog design prevents downtime and auto-recovery

Main Features

Industrial Application Design

- Adopt high-performance 32-bit dual-core network processor
- Wide voltage input design: 9 ~ 36V
- Industrial grade software and hardware watchdog design, trouble-free and reliable operation in power station, transportation, and industrial control environment application
- Excellent electromagnetic, radiation, and static protection ability
- Industrial grade EMC electromagnetic compatibility and radiation performance, passed the GB/T17626.5-2008 Level 4 test standard
- Industrial grade components, working temperature: -30 ~ +70°C
- Industrial enclosure, suitable for extreme environments
- Fan-less heat dissipation technology effectively reduces the failure rate of the equipment
- SIM card protection design
- Meet the trouble-free and reliable operation under a vibration and shock environment

Rugged, Stable, and Reliable

- A dual watchdog design ensures that the stability of the system
- Apply a complete anti-disconnection mechanism to ensure the end data terminal is always online
- The product passed EMC test requirements
- The Ethernet interface built-in 1.5KV electromagnetic isolation protection GB/T17626.5-2008 (Level 4)
- SIM/UIM interface built-in 1.5KV ESD protection GB/T17626.5-2008 (Level 4)
- Built-in reserve phase protection and overvoltage protection for the power interface

Product Views



LED Description

LED type	State	Description
POW	Long bright	Normal power input
	No Light	Abnormal power input
SYS	Blinking Light	System startup
	Long bright	System exception
	No Light	System exception
WI-FI1	Long bright	2.4G WI-FI On
	No Light	2.4G WI-FI Off
	Blinking Light	Data In/Out
WI-FI2	Long bright	5.8G WI-FI On
	No Light	5.8G WI-FI Off
	Blinking Light	Data In/Out
CELL	Long bright	Cellular Network Connected
	No Light	Not Connected / Abnormal
	Blinking Light	Connecting
NET	Long bright	Internet Connected
	No Light	Internet Network Disconnected
GPS	Long bright	
	No Light	
WAN	Long bright	None / LED is damage
	No Light	Cable Not Connected
	Blinking Light	Data In/Out
LAN	Long bright	None / LED is damage
	No Light	Cable Not Connected
	Blinking Light	Data In/Out

Quick Start

Mounting Accessories

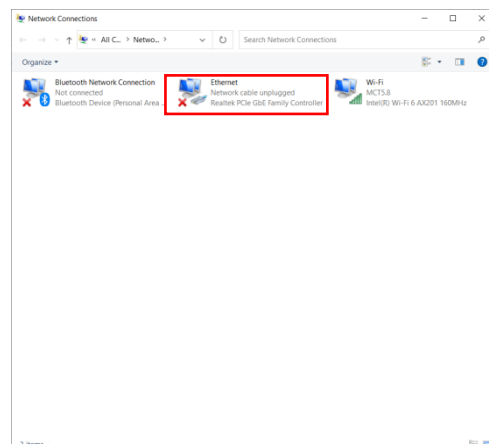
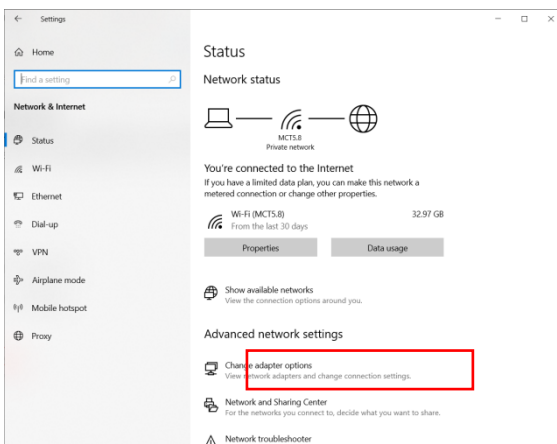
Put the WI-FI antenna, 4G antenna, and SIM card into the designated position according to the interface, connect to the 9-36V DC power supply, observe the indicator light, after the sys light flashes, the router starts normally.



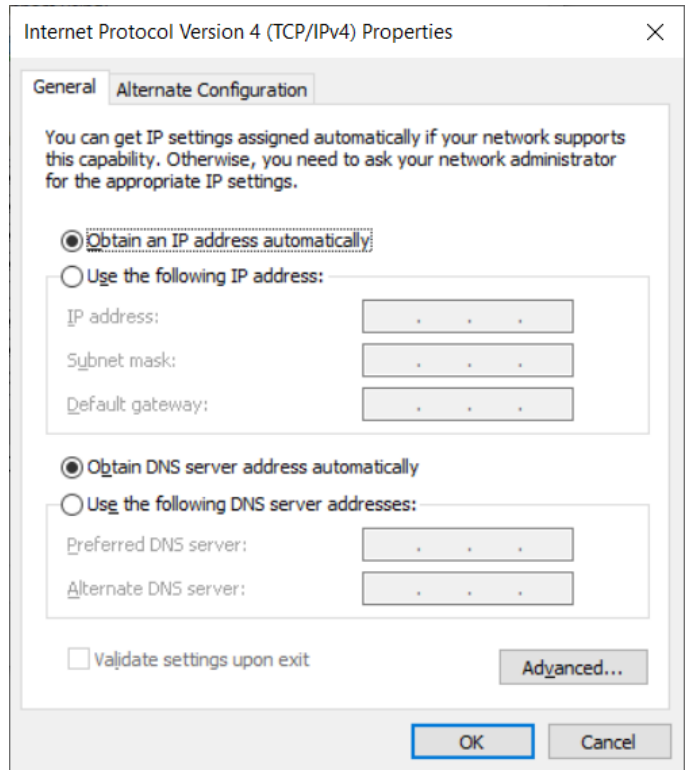
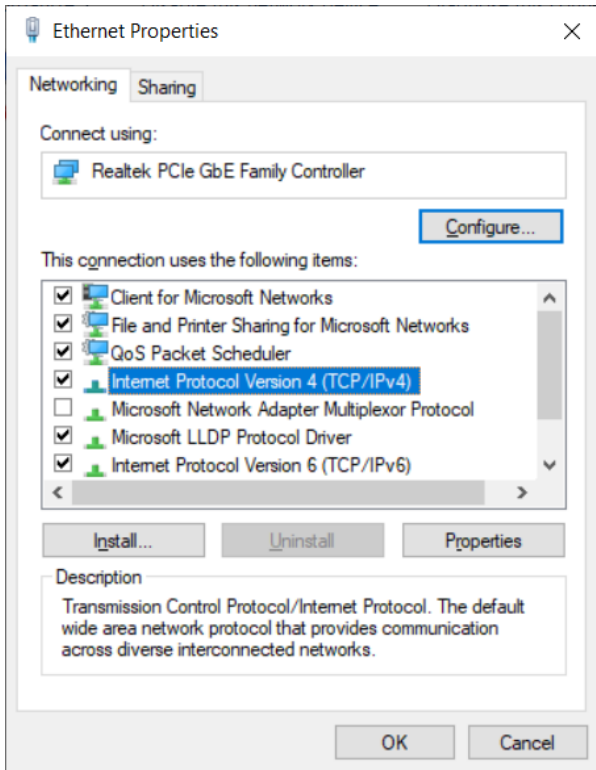
Note: Please do not remove or insert the SIM card with power on, otherwise the SIM card may be damaged.

Connect to the Internet

Correctly set your computer network configuration, now take win10 operating system as an example, use it to open "Settings\Network & Internet\Change Adapter Options" in Control Panel. Double-click the "Ethernet" connection icon.



In the pop-up dialog box, click "Properties", select "Internet Protocol Version 4 (TCP/IPv4)", and then click the "Properties" button; select "Obtain an IP address automatically". After clicking OK to save, the computer will automatically obtain the IP address assigned by the router.



Login to the router

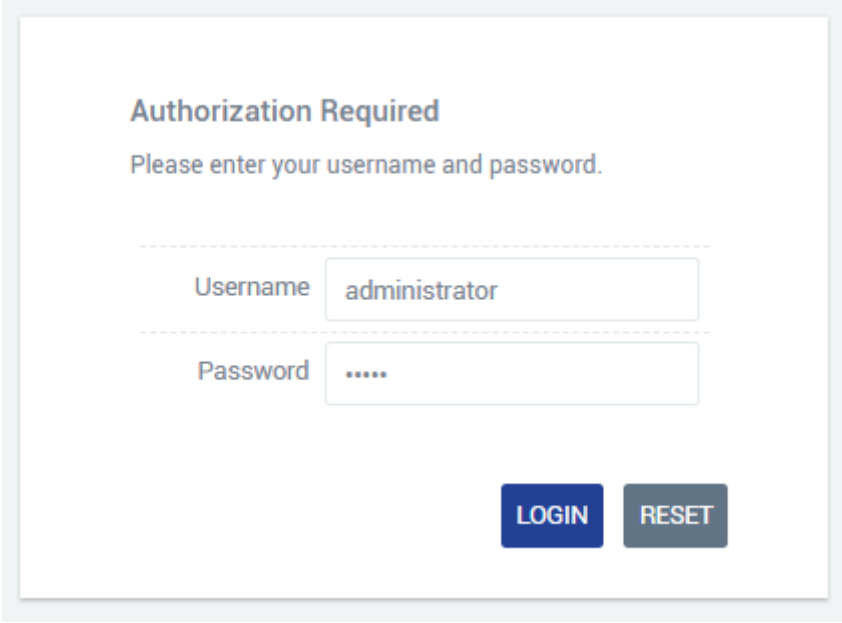
WebUI Login

Open a web browser, key in `http://192.168.99.1` in the address bar and press Enter;

Advanced Settings Default Username: administrator, Default Password: admin

Basic Settings Default Username: admin, Default Password: admin

It is recommended to use Google Chrome or Mozilla Firefox browser.



Authorization Required
Please enter your username and password.

Username

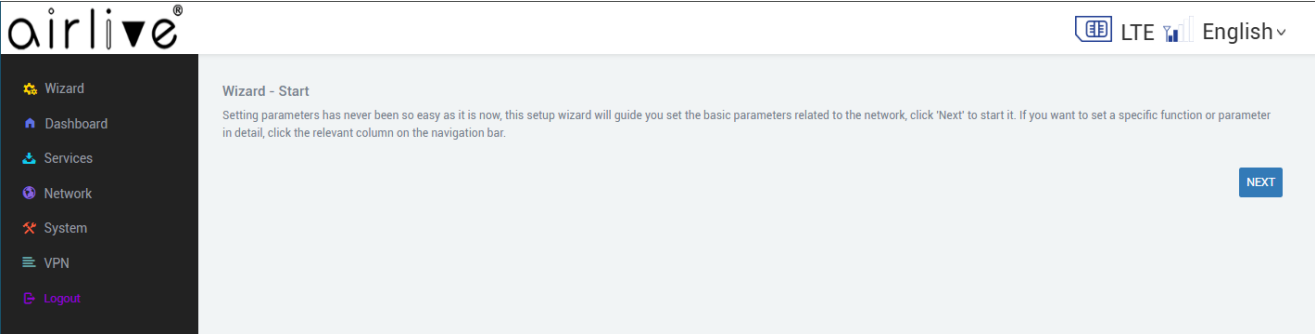
Password

[LOGIN](#) [RESET](#)

Note: For the first time, after you see the login page you will see the setup wizard page. You can configure the router directly according to the setup wizard.

Setup Wizard

For the first time, after you see the login page you will see the setup wizard page. You can configure the router directly according to the setup wizard.



airlive®

LTE English

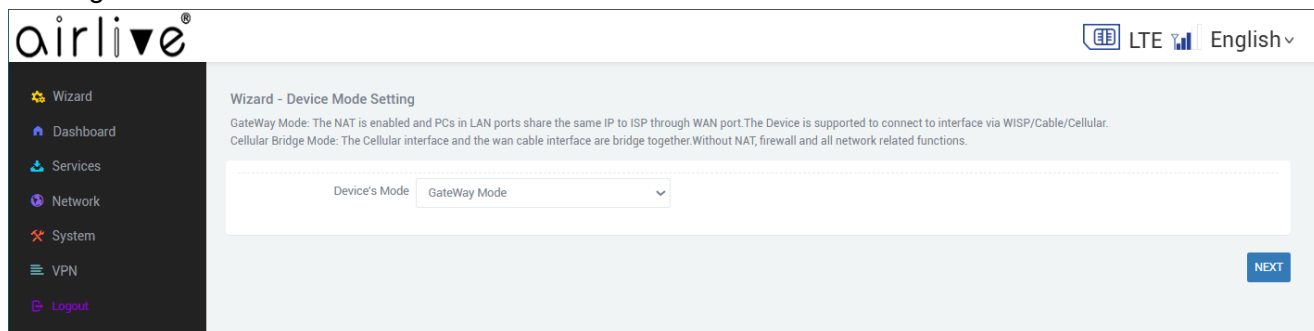
Wizard - Start

Setting parameters has never been so easy as it is now, this setup wizard will guide you set the basic parameters related to the network, click 'Next' to start it. If you want to set a specific function or parameter in detail, click the relevant column on the navigation bar.

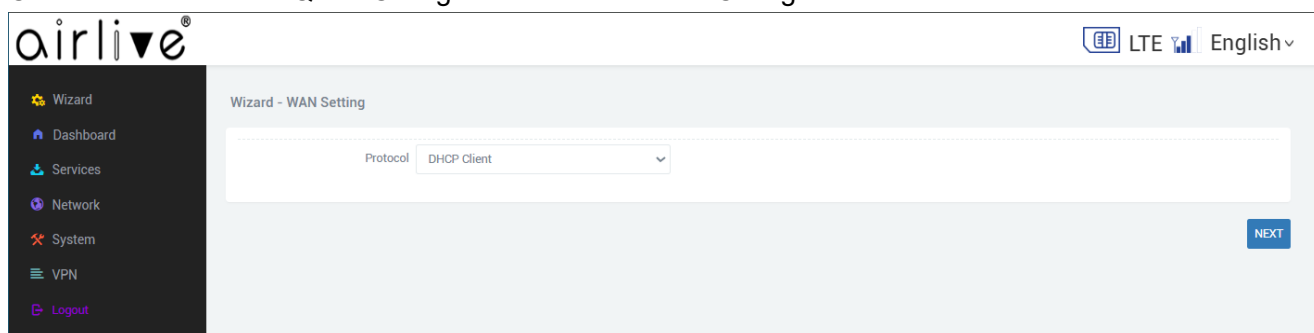
[NEXT](#)

- Wizard
- Dashboard
- Services
- Network
- System
- VPN
- Logout

Click Next to enter Quick Configuration - Device Mode Settings, where you can set the device's working mode.



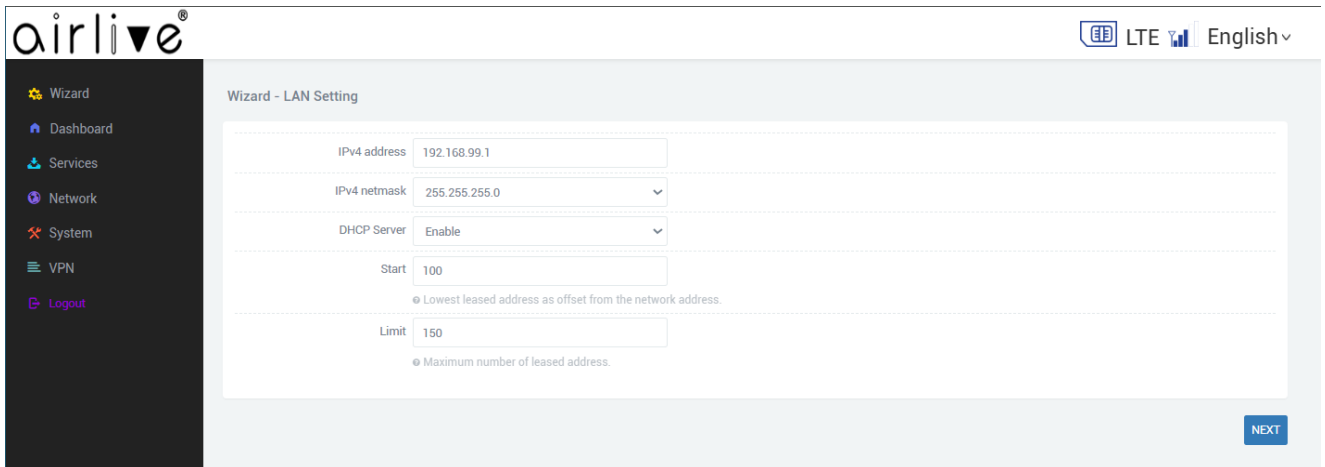
Click Next to enter the Quick Configuration - Wired WAN Configuration interface.



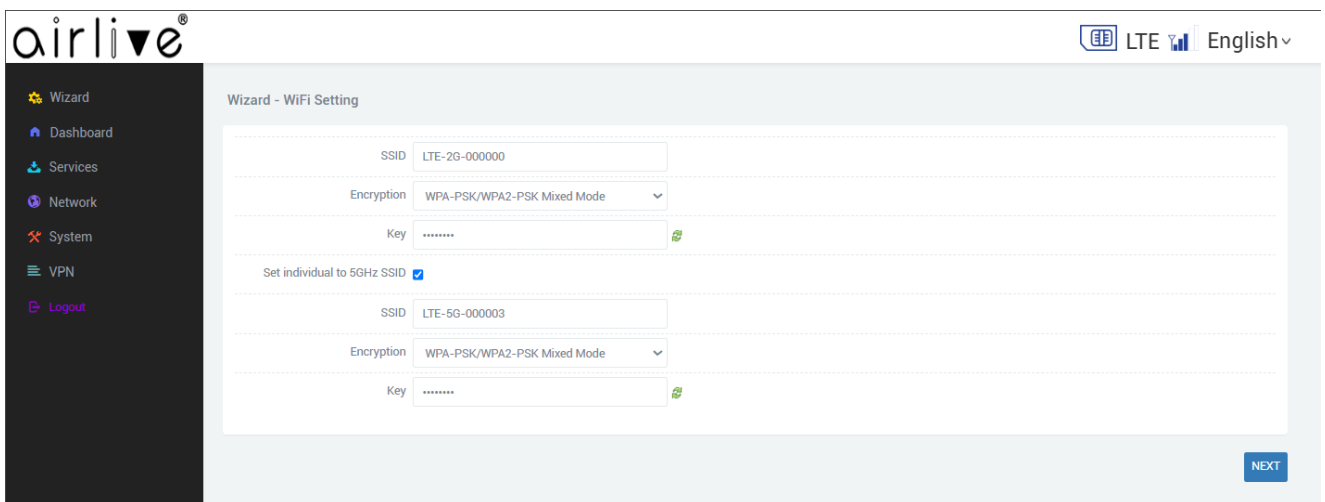
Configure WAN - description of the connection method:

WAN Option	Description	How to Set
DHCP	When connected. Automatically obtain the IP address and subnet mask assigned by the server	No configuration
PPPoE	The router is connected to the optical fiber/Cable, and the account and password provided by the operator are used to dial up the Internet	Setup access username and password
STATIC	Manually assign IP address and subnet mask	Setup IP address, Subnet Mask, Gateway, and DNS.

Click Next to enter the Quick Configuration - Local Address Configuration interface, where you can modify the local IP address and subnet mask.

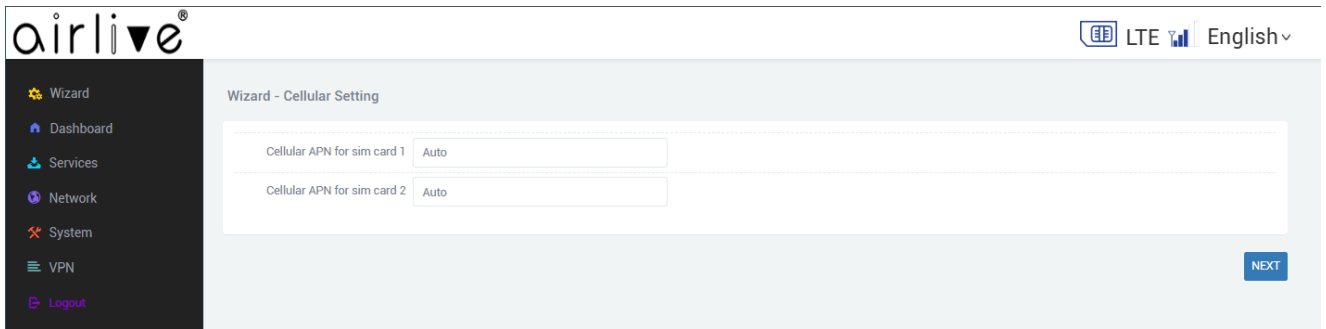


Click Next to enter the quick configuration-Wi-Fi configuration interface.

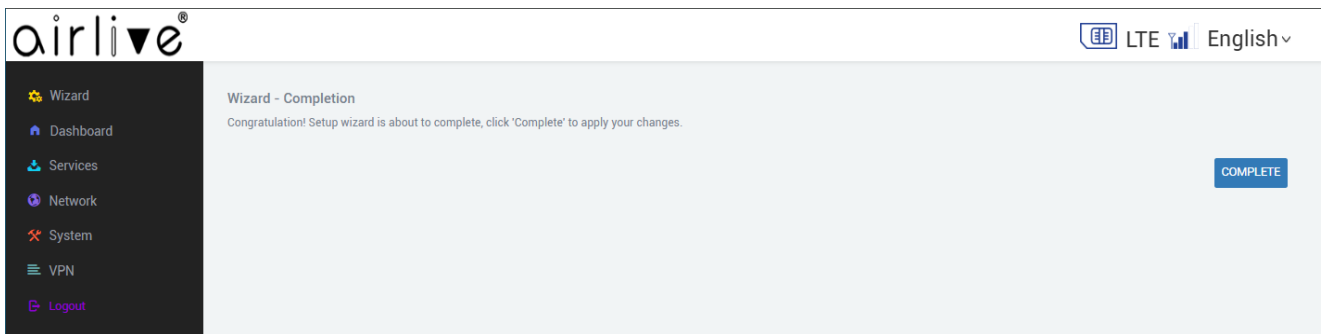


WI-FI Option	Description	How to Set
WI-FI Name	Wi-Fi SSID Name	You can fill in any name you like
Encryption	Wi-Fi Encryption Method	Click the drop-down box, there are 4 encryption methods for you to choose, of which None means no encryption, any client can directly connect to the Wi-Fi
Password	Other than None option, a password is required for Wi-Fi encryption methods	You can fill in a password of 8~64 digits

Click Next to enter Quick Configuration - Mobile Network APN Settings, where you can set up the APN.



Click Next to enter the Quick Configuration-Complete interface



Click Finish and Configure to complete and apply.

Section Page function introduction

Device Status

Through the status page (Dashboard), you can see the router's version number, 4G information, Wi-Fi information, network connection and other basic information.

The screenshot shows the AirLive dashboard with the following sections:

- System Information:**

Hostname	4G-Router
Model	M2M-4G5AC
Firmware Version	V385.01.66
Local Time	Wed Mar 19 09:57:31 2025
Uptime	14h 22m 3s
Load Average	0.21, 0.31, 0.24
- Resource Usage:**
 - CPU: 2% (Gauge chart)
 - RAM: 33% (Gauge chart)
- Cellular Information:**

Operator Name	CHN-CT
(E/U)arfcn	1506
Band	3
IMEI	863353075858745
IMSI	460115534564447
ICCID	89861125347750104570
RSRP	
- WiFi Information:**

	WiFi 2G	WiFi 5G
SSID	LTE-2G-000000	LTE-5G-000003
Channel	11	40
Mode	b/g/n	a/ac/an
BSSID	00:4F:5E:00:00:00	00:4F:5E:00:00:03
Encryption	WPAPSKWPA2PSK/TKIPAES	WPAPSKWPA2PSK/TKIPAES
Bandwidth	20/40	80

By clicking the computer icon on the upper left, you can enter the user management page, where you can view the user's connection status and manage the user's Internet access.

The screenshot shows the AirLive user management page with the following sections:

- Clients:**

ID	MAC	IP	Internet Control
1	50:5b:c2:d2:1c:d5	IP:192.168.99.184	<input checked="" type="checkbox"/>
- Station Information:**

MAC Addr	Aid	PSM	MIMO PS	TX Rate	RSSI	Last/RX Rate	Connect Time
50:5B:C2:D2:1C:D5	1	1	3	MCS 7/40M, SGI/MM, STBC	-41/-40/0	MCS 6/40M, LGI/MM,	00:02:20

By clicking the globe icon on the upper right, you can enter the page to view the dial-up, relay, and network connections.

The screenshot shows the AirLive web interface. On the left is a navigation menu with items: Wizard, Dashboard, Services, Network, System, VPN, and Logout. The main content area is titled "Network Status" and contains the following information:

- IPv4 WAN Status:**
 - Interface: usb0
 - Type: dhcp
 - Address: 10.4.219.8
 - Netmask: 255.0.0.0
 - Gateway: 10.4.219.247
 - DNS 1: 202.96.128.86
 - DNS 2: 202.96.134.133
 - Expires: 9h 49m 27s
 - Connected: 14h 10m 33s
- IPv6 WAN Status:** Not connected
- Active Connections:** 17 / 65535 (0%)

Below the Network Status section is the **VPN Status** section, which contains a table:

Item	Status
Status	-
Read	-
Write	-

Services – DTU

This page provides the DTU client and serial port configuration for the router.

The screenshot shows the AirLive web interface with the "DTU Management" page selected. The navigation menu on the left highlights "DTU" under the "Services" category. The main content area shows:

- Tabs: Overview, Serial Port
- Section: DTU Management
- Section: Servers List

Name	Server IP	Server Port	Status	Actions
U2	10.10.10.100	15000	0	CONNECT STOP EDIT REMOVE

There is an "ADD" button below the table.

Services – GPSD

This page provides the GPS positioning function and configuration of the router.

Wizard
Dashboard
Services
DTU
GPSD
Ser2Net
Network Shares
Network
System
VPN
Logout

Status Configuration

GPSD Setting

GPSD is an interface to many common gpsd devices

General settings Log Settings

Enable

Listen Globally

GPS Device

Listen address
• The interface on which GPSD will listen. To listen on all interfaces use 0.0.0.0 or :: (IPv6).

Listen port
• Port on which GPSD will listen

Allowed clients
• When listen address is set to 0.0.0.0 or :: (IPv6), you must list clients that are allowed to connect. The format is IP address or network address (192.168.1.123, 192.168.1.0/24, 2001:660:116::/48 (IPv6))

SAVE & APPLY SAVE RESET

Services – Ser2Net

This page provides the DTU server and serial port configuration of the router.

airlive®

LTE English

Wizard
Dashboard
Services
DTU
GPSD
Ser2Net
Network Shares
Network
System
VPN
Logout

Settings Proxies Leds

Ser2Net

Global switch
Enabled

Global port
Enabled

Binding address
• The network to listen form.

Control port
• The TCP port to listen on.

Default settings

Baud rate
• The speed the device port should operate at.

Data bits

Parity

Stop bits

Use RTS and CTS lines

Ignore modem control signals

Allow the RFC 2217 protocol

Services – Network Shares

This page provides the network storage sharing function and configuration.

airlive® LTE English

- Wizard
- Dashboard
- Services
- DTU
- GPSD
- Ser2Net
- Network Shares**
- Network
- System
- VPN
- Logout

Network Shares

Samba

General settings
Edit template

Hostname	5G-Router
Description	5G-Router
Workgroup	WORKGROUP

Share home-directories Allow system users to reach their home directories via network shares

Enable macOS compatible shares Enables Apple's AAPL extension globally and adds macOS compatibility options to all shares.

Shared Directories

Please add directories to share. Each directory refers to a folder on a mounted device.

Name	Path	Browse-able	Read-only	Force Root	Allowed users	Allow guests	Guests only	Inherit owner	Create mask	Directory mask	Vfs objects
This section contains no values yet											

ADD
SAVE & APPLY
SAVE
RESET

Network – Interfaces

Configure and view the parameters of the router's LAN and WAN ports.

airlive® LTE English

- Wizard
- Dashboard
- Services
- Network
- Interfaces**
- WiFi
- Switch
- DHCP and DNS
- Firewall
- Routes
- Cellular
- Diagnostics
- Load Balancing
- System
- VPN
- Logout

Interfaces

Interface Overview

Network	Status	Actions
LAN br-lan	Uptime: 0h 12m 4s MAC-Address: DE:D5:38:CD:66:4E RX: 205.11 KB (2143 Pkts.) TX: 706.68 KB (2367 Pkts.) IPv4: 192.168.99.1/24 IPv6: fd89:1fdb:12ef::1/64	CONNECT STOP EDIT
WAN eth1	Uptime: 0h 0m 0s MAC-Address: EE:BF:FC:79:BD:A1 RX: 0 B (0 Pkts.) TX: 83.52 KB (252 Pkts.)	CONNECT STOP EDIT
WAN6 eth1	Uptime: 0h 0m 0s MAC-Address: EE:BF:FC:79:BD:A1 RX: 0 B (0 Pkts.) TX: 83.52 KB (252 Pkts.)	CONNECT STOP EDIT
WISP wisp	Unsupported protocol type. Install protocol extensions...	CONNECT STOP EDIT
WWAN usb0	Uptime: 0h 11m 30s MAC-Address: 02:0C:29:A3:9B:6D RX: 58.59 KB (733 Pkts.) TX: 59.74 KB (679 Pkts.) IPv4: 10.5.145.3/8	CONNECT STOP EDIT
WWAN6 usb0	Uptime: 0h 0m 0s MAC-Address: 02:0C:29:A3:9B:6D RX: 58.59 KB (733 Pkts.) TX: 59.74 KB (679 Pkts.)	CONNECT STOP EDIT

Global network options

IPv6 ULA-Prefix

14

You can use the admin account to log in to the router page, the wired network can set the WAN port and LAN port of the router using simple configuration.

The screenshot shows the AirLive router's web management interface. The top left features the 'airlive' logo and a navigation menu with options like Wizard, Dashboard, Network, System, and Logout. The top right shows 'LTE' status and 'English' language selection. The main content area is titled 'LAN Settings' and includes a sub-header 'LAN WAN'. Below this, a note states: 'There are ipaddress netmas gateway dns mtu such as parameter on the LAN Settings page'. The configuration form contains several fields: 'IPv4 address' (192.168.99.1), 'IPv4 netmask' (255.255.255.0), 'IPv4 gateway', 'Use custom DNS servers' (with a copy icon), and 'Override MTU' (1500). At the bottom right, there are three buttons: 'SAVE & APPLY', 'SAVE', and 'RESET'.

Network – Wi-Fi

Configure and view the parameters of 2.4G and 5.8G wireless routers.

You can set the Wi-Fi name, encryption, channel and other common parameters. Also, Wi-Fi can be set up as a Wi-Fi relay for the router.

The screenshot displays the AirLive router's web management interface for 'Wi-Fi Settings'. The top left navigation menu is visible, with 'Services' and 'Network' highlighted. The top right shows 'LTE' status and 'English' language selection. The main content area is titled 'Wi-Fi Settings' and includes a sub-header '2G 5G Repeater'. Below this, a note states: 'Configure the params of 2.4G wireless'. The configuration form contains several fields: 'SSID' (LTE-2G-000000), 'Hide ESSID' (Disable), 'AuthMode' (WPA-PSK/WPA2-PSK Mixed Mode), 'Key' (masked with dots), 'HT Mode' (20/40 MHz), 'Country Region' (0: Ch1~11), and 'Channel' (Auto (Channel 0)). A 'SUBMIT' button is located at the bottom right.

Network – Switch

Configure and view the parameters of the VLAN for switch functionality.

Network – DHCP and DNS

Configure and view router DHCP and DNS parameters.

In the DHCP server configuration, you can do the IP address and MAC address binding. You can also set the DHCP allocation method. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

Network – Firewall

Configure and view the parameters of the router firewall.

You can set the firewall rules of the router. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

Overview **General settings** Port Forwards Traffic Rules URL Filter Custom Rules

Firewall - Zone Settings

The firewall creates zones over your network interfaces to control network traffic flow.

General settings

Enable SYN-flood protection

Drop invalid packets

Enable FullCone NAT

Input: accept

Output: accept

Forward: reject

Zones

Zone -> Forwardings	Input	Output	Forward	Masquerading	MSS clamping
lan: lan: [WAN icon] = wan	accept	accept	accept	<input type="checkbox"/>	<input type="checkbox"/>
wan: wan: [WAN icon] wan6: [WAN icon] wwan: [WAN icon] wisp: (empty) wwan6: [WAN icon] = REJECT	reject	accept	reject	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ADD

SAVE & APPLY SAVE RESET

Network – Routes

Configure and view the parameters of the router routing table.

Set up static routing rules in the router. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

- Wizard
- Dashboard
- Services
- Network
 - Interfaces
 - WiFi
 - Switch
 - DHCP and DNS
 - Firewall
 - Routes**
 - Cellular
 - Diagnostics
 - Load Balancing
- System
- VPN
- Logout

Status
Static Routes

Routes

The following rules are currently active on this system.

ARP

IPv4-Address	MAC-Address	Interface
192.168.99.10	aa:80:38:39:45:68	br-lan
169.254.0.1	00:08:08:08:08:08	usb0
192.168.99.208	aa:80:38:39:45:68	br-lan
10.5.145.252	00:08:08:08:08:08	usb0

Active IPv4-Routes

Network	Target	IPv4-Gateway	Metric	Table
wwan	0.0.0.0/0	10.5.145.252	3	main
wwan	10.0.0.0/8		3	main
wwan	10.5.145.252		3	main
lan	192.168.99.0/24		0	main

Active IPv6-Routes

Network	Target	Source	Metric	Table
lan	fd89:1fdb:12ef::/64		1024	main

Network – Cellular

Configure and view router cellular network parameters, including information about mobile networks and mobile network settings.

- Wizard
- Dashboard
- Services
- Network
 - Interfaces
 - WiFi
 - Switch
 - DHCP and DNS
 - Firewall
 - Routes
 - Cellular**
 - Diagnostics
 - Load Balancing
- System
- VPN
- Logout

Information
Setting
Lock Bands
Net Select
Update Firmware

Cellular Information

Cellular's information for sim1 and Modem's information.

Manufacturer	Quectel	Band	3
Model	EC200A	Mode	LTE
Software Version	EC200AEUHAR01A13M16	MCC/MNC	460/11
IMEI	863353075858745	Cell ID	6146909
SIM	READY	PhycellID	239
IMSI	460115534564447	(E)arfcn	1650
ICCID	89861125347750104570	(L/T)AC	7794
Operator	CHN-CT	(S)rxlev	-
RSRP	-87	RSRQ	-8
SINR	15	RSSI	-77
SOC TEMP	-	PA TEMP	-
PA5G TEMP	-	Board TEMP	-

Network – Diagnostics

You can use the functions to check the network status of the router

airlive® LTE English

Wizard
Dashboard
Services
Network
Interfaces
WiFi
Switch
DHCP and DNS
Firewall
Routes
Cellular
Diagnostics
Load Balancing
System
VPN
Logout

Diagnostics

Network Utilities

8.8.8.8 8.8.8.8 8.8.8.8

IPv4 IPv4

Collecting data...

```
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: seq=0 ttl=55 time=55.937 ms
64 bytes from 8.8.8.8: seq=1 ttl=55 time=49.298 ms
64 bytes from 8.8.8.8: seq=2 ttl=55 time=43.338 ms
64 bytes from 8.8.8.8: seq=3 ttl=55 time=43.124 ms
64 bytes from 8.8.8.8: seq=4 ttl=55 time=42.280 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 42.280/46.795/55.937 ms
```

Network – Load Balancing

Configure and view parameters for router load balancing.

airlive® LTE English

Wizard
Dashboard
Services
Network
Interfaces
WiFi
Switch
DHCP and DNS
Firewall
Routes
Cellular
Diagnostics
Load Balancing
System
VPN
Logout

Globals Interfaces Members Policies Rules Notification

MWAN - Interfaces

There are currently 3 of 60 supported interfaces configured
WARNING: Interface wan has no default route in the main routing table
WARNING: Interface wisp has no default route in the main routing table

MWAN supports up to 252 physical and/or logical interfaces
MWAN requires that all interfaces have a unique metric configured in /etc/config/network
Names must match the interface name found in /etc/config/network
Names may contain characters A-Z, a-z, 0-9, _ and no spaces
Interfaces may not share the same name as configured members, policies or rules

Interface	Enabled	Tracking method	Tracking reliability	Ping interval	Interface down	Interface up	Metric		
wan	No	ping	1	3s	2	2	1	<input type="button" value="EDIT"/>	<input type="button" value="DELETE"/>
wisp	No	ping	1	3s	2	2	2	<input type="button" value="EDIT"/>	<input type="button" value="DELETE"/>
wwan	No	ping	1	10s	3	3	3	<input type="button" value="EDIT"/>	<input type="button" value="DELETE"/>

System – System

You can configure the router's time zone, import and export configuration, firmware upgrade, change system language.

System – RemoteManager

You can configure and view the information of TR069.

System – Mount Points

You can configure and view information about disk mount points.

airlive® LTE English

Wizard
Dashboard
Services
Network
System
System
RemoteManager
Mount Points
Backup / Flash
Firmware
Reboot
Watchcat
VPN
Logout

Mounted File Systems Mount Points Global Settings

Mount Points

Mounted file systems

Filesystem	Mount Point	Available	Used	Unmount
/dev/root	/rom	0.00 B / 11.75 MB	100% (11.75 MB)	
tmpfs	/tmp	121.22 MB / 122.36 MB	1% (1.14 MB)	
/dev/mtdblock6	/overlay	856.00 KB / 1.12 MB	26% (296.00 KB)	
overlayfs:/overlay	/	856.00 KB / 1.12 MB	26% (296.00 KB)	
tmpfs	/dev	512.00 KB / 512.00 KB	0% (0.00 B)	
/dev/mmcblk0p1	/mnt/mmcblk0p1	7.17 GB / 7.43 GB	3% (263.66 MB)	UNMOUNT

SAVE & APPLY SAVE RESET

System – Backup/Flash Firmware

You can perform backup and restore router configuration, restore factory settings, and upgrade router firmware.

airlive® LTE English

Wizard
Dashboard
Services
Network
System
System
RemoteManager
Mount Points
Backup / Flash
Firmware
Reboot
Watchcat
VPN
Logout

Flash operations

Actions Configuration

Backup / Restore
Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Download backup: **GENERATE ARCHIVE**

Reset to defaults: **PERFORM RESET**

Save mtdblock contents
Click "Save mtdblock" to download specified mtdblock file. (NOTE: THIS FEATURE IS FOR PROFESSIONALS!)

Choose mtdblock:

Download mtdblock: **SAVE MTDBLOCK**

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup: No file chosen **UPLOAD ARCHIVE...**

Flash new firmware image
Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires a compatible firmware image).

Keep settings:

Image: No file chosen **FLASH IMAGE...**

System – Reboot

You can restart the router immediately or periodically.

System – Watchcat

You can set some scheduled tasks based on the operating mode.

Name	Operating Mode	Force Delay	Period	Status	Actions
reboot_ping	ping_reboot	0	30m	0	EDIT DELETE
restart_infac	restart_iface		30m	1	EDIT DELETE
switch_sim	switch_sim		5m	1	EDIT DELETE

[ADD NEW WATCHCAT](#)

VPN – GRE

You can configure GRE VPN on this page.

Name	Local Address	Peer Address	GRE Mode	Status	Actions
GRE	10.10.10.10	8.8.8.8	gre	offline	CONNECT STOP EDIT DEL

[ADD](#)

VPN – PPP

You can configure PPTP/L2TP VPN client on this page.

airlive® LTE English

Wizard
Dashboard
Services
Network
System
VPN
GRE
PPP
OpenVPN
Logout

Overview

VPN Management
Overview of the vpns both pptp and l2tp client

Name	Protocol	Server IP	Username	Status	Actions
L2TP	l2tp	61.141.115.57	l2tp	offline	CONNECT DISCONNECT EDIT DEL

VPN – OpenVPN

You can configure OpenVPN on this page.

airlive® LTE English

Wizard
Dashboard
Services
Network
System
VPN
GRE
PPP
OpenVPN
Logout

OpenVPN

OpenVPN instances
Below is a list of configured OpenVPN instances and their current state

	Enabled	Started	Start/Stop	Port	Protocol	
daemon	<input checked="" type="checkbox"/>	yes (6704)	STOP	1194	udp	EDIT DELETE

Template based configuration

Instance name Select template ...

OVPN configuration file upload

Instance name No file chosen

Typical Application – APN/VPDN Dedicated Network Card

When the user's card uses a private network card with APN function, the router can be modified according to the following configuration, so that the router can connect to the private network normally.

1. Find the Cellular Network in the Network menu, click "Set Cellular Network", fill in the APN or VPDN parameters provided by the operator in the corresponding position, and click "SAVE & APPLY".

Information **Setting** Lock Bands Net Select Update Firmware

Cellular Setting

Set the params for the Cellular Internet.

General settings	SIM1 Settings	SIM2 Settings
APN	APN	
PIN		
PDP Context	1	
PDP Type	IPv4/v6	
Authentication Type	PAP/CHAP	
PAP/CHAP username	admin	
PAP/CHAP password	

SAVE & APPLY SAVE RESET

2. Check the network by ping to a server address via the network diagnosis page to determine whether the connection is normal and working.

Diagnostics

Network Utilities

8.8.8.8 IPv4 PING 8.8.8.8 IPv4 TRACEROUTE 8.8.8.8 NSLOOKUP

Collecting data...

```
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: seq=0 ttl=55 time=55.937 ms
64 bytes from 8.8.8.8: seq=1 ttl=55 time=49.298 ms
64 bytes from 8.8.8.8: seq=2 ttl=55 time=43.338 ms
64 bytes from 8.8.8.8: seq=3 ttl=55 time=43.124 ms
64 bytes from 8.8.8.8: seq=4 ttl=55 time=42.280 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 42.280/46.795/55.937 ms
```

Typical Application – Wi-Fi Relay / Repeater

The wireless repeater function is to use the router's Wi-Fi as the wireless client terminal to connect to another existing Wi-Fi hotspot. This solution can use the network of the other router or hotspot to reduce the use of cellular traffic. The specific configuration is as follows:

1. Open the configuration page of "Network" --> "Wi-Fi"--> "Repeater". Click "WI-FI-SCAN" to search for surrounding networks.

The screenshot shows the 'WIFI WISP Repeater' configuration page in the AirLive web interface. The page title is 'WIFI WISP Repeater' and the subtitle is 'We Can configure the wifi wisp for the device'. The 'Repeater Status' is 'Disconnected'. The 'Locked BSSID' is set to 'Disable'. The 'WIFI-SCAN' button is highlighted with a red box and a red arrow pointing to it.

The screenshot shows the 'WIFI WISP Repeater' configuration page in the AirLive web interface. The page title is 'WIFI WISP Repeater' and the subtitle is 'We Can configure the wifi wisp for the device'. The page displays a table of detected Wi-Fi networks. The 'WIFI-SCAN' button is highlighted with a red box.

无线名称	信道	BSSID	加密方式	信号强度	动作
	1		WPA2PSK/AES	34	Choose This
	1		WPAPSKWPA2PSK/AES	26	Choose This
	1		WPAPSKWPA2PSK/TKIPAES	42	Choose This
	1		WPAPSKWPA2PSK/AES	100	Choose This
	1		WPAPSKWPA2PSK/TKIPAES	34	Choose This
	1		WPA2PSK/AES	50	Choose This
	1		WPAPSKWPA2PSK/TKIPAES	42	Choose This
	1		WPA2PSK/AES	39	Choose This
	1		WPA2PSK/AES	29	Choose This
	1		WPA2PSK/AES	39	Choose This
	1		WPAPSKWPA2PSK/TKIPAES	31	Choose This

2. Select the hotspot you want to connect to and click "Connect". The router will automatically fill in the parameters of the hotspot into the column field according. If the hotspot has a password, you need to manually fill in the password and click "SAVE & APPLY".

airlive®

LTE English

2G 5G Repeater

WIFI WISP Repeater

We Can configure the wifi wisp for the device

Repeater Status: **Disconnected**

Locked BSSID: Enable Disable

SSID: MCT2.4

BSSID: AA:80:38:46:35:30

Channel: 4


Auth Mode: WPA2PSK

Encryption Algorithm: AES

Password:

Check Alive Host:

WIFI-SCAN SAVE & APPLY

3. Click the icon  on the status page. When the router has obtained the IP address from the uplink (Wi-Fi hotspot or Router), the relay of the router is connected normally.

airlive®



LTE English

Terminal 2

M2M-4G5AC 2.4G 5.8G

Internet Wireless

Network Status

IPv4 WAN Status	 apcli0 Type: dhcp Address: 192.168.188.136 Netmask: 255.255.255.0 Gateway: 192.168.188.254 DNS 1: 192.168.188.254 DNS 2: 192.168.188.254 Expires: 0h 59m 50s Connected: 0h 0m 10s
IPv6 WAN Status	 Not connected
Active Connections	<div style="border: 1px solid #ccc; padding: 2px;">115 / 65535 (0%)</div>

- Perform packet ping to the gateway address of the uplink network via the network diagnostics page to determine whether or not the connection is normal

The screenshot shows the Airlive web interface. On the left is a dark sidebar with navigation icons and labels: Wizard, Dashboard, Services, Network, Interfaces, WiFi, Switch, DHCP and DNS, Firewall, Routes, Cellular, Diagnostics (highlighted), Load Balancing, System, VPN, and Logout. The main content area is titled 'Diagnostics'. Under 'Network Utilities', there are three input fields, each containing '8.8.8.8'. Below the first field is a dropdown menu set to 'IPv4' and a 'PING' button. Below the second field is a dropdown menu set to 'IPv4' and a 'TRACEROUTE' button. Below the third field is a 'NSLOOKUP' button. Below these fields is a 'Collecting data...' section with a light gray background, displaying the following text:

```

PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: seq=0 ttl=55 time=55.937 ms
64 bytes from 8.8.8.8: seq=1 ttl=55 time=49.298 ms
64 bytes from 8.8.8.8: seq=2 ttl=55 time=43.338 ms
64 bytes from 8.8.8.8: seq=3 ttl=55 time=43.124 ms
64 bytes from 8.8.8.8: seq=4 ttl=55 time=42.280 ms

--- 8.8.8.8 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 42.280/46.795/55.937 ms

```

Typical Application – Port Mapping

"Port Forwarding" can be found in the firewall page. You can map the port that needs to be translated and forwarded to the corresponding intranet IP and click "SAVE & APPLY" to apply the configuration.

The screenshot shows the Airlive web interface. On the left is a dark sidebar with navigation icons and labels: Wizard, Dashboard, Services, Network, Interfaces, WiFi, Switch, DHCP and DNS, Firewall (highlighted), Routes, Cellular, Diagnostics, Load Balancing, System, VPN, and Logout. The main content area is titled 'Firewall - Port Forwards'. Below this title is a sub-section 'Port Forwards' with a table that is currently empty. Below the table is a 'New port forward:' section with a table for adding new port forwards. The table has columns for Name, Protocol, External zone, External port, Internal zone, Internal IP address, and Internal port. A row is shown with 'Forwarc', 'TCP+UDP', 'wan', '10000', 'lan', '192.168.99.1 (4G-Router.lan)', and '10000'. There is an 'ADD' button next to the row. At the bottom right, there are 'SAVE & APPLY', 'SAVE', and 'RESET' buttons.