

How to configure IP Passthrough on the CM510Q-W

Note: This guide is for a PC behind the CM510Q-W. It is also applicable to a broadband router behind the CM510Q-W. You need to use the MAC Address on the WAN interface of the broadband router.

1. Check the LAN MAC Address on your PC.

Go to Network Adapter, Right-click -> Status -> Details. See screenshot below:

Ne	twork Connection Detail	s 🚾 X 🙀
1	Network Connection Details:	
	Property	Value
	Connection-specific DN	Comset_Domain Realtek PCIe GBE Family Controller
	Physical Address	1C-39-47-BD-5E-51
	DHCP Enabled	Yes

2. Configure IP Pass-through on the Router.

Go to Advanced Network -> IP Pass-through -> check 'Enabled' box option.

Enter the MAC Address as obtained from your PC LAN interface and click 'Save'.

Note: Use a colon between the hexadecimal characters. See screenshot below:

Status		,	You haven't changed the defau	It password for this router. To change router password <u>click here.</u>
Basic Network		222. 0 0		
ক WLAN	>	IP Passthrough		
Advanced Network		Enabled		
Port Forwarding Port Redirecting		MAC Address	1C:39:47:BD:5E:51	Set MAC Address on Laptop LAN interface <u>Note:</u> Use colon in between of hexadecimal characters
DMZ IP Passthrough		Gateway		
Triggered				
Captive Portal		Save ✓ Cancel ×		
Serial App. UPnP/NAT-PMP				

3. Disable DHCP server on the router.

Go to Basic Network -> LAN -> Click on DHCP server to edit and uncheck option to Disable.

Click on the 'Ok' and 'Save' buttons.

Note: The router will reboot.

0	Rasic Network		1.1				
	MAN	LAN					
	Cellular			TD 4.11		DUCD	10.0
	LAN	Bric	ige ^	IP Address	Subnet Mask	DHCP Server	IP Pool
	VLAN			232230			192,168.1.2
	Schedule	0	• 19	2.168.1.1	255.255.255.0		192.168.1.254
	DDNS						the second second second second
	Routing	Delete ×	CancelØ OK	× 1		option to Disable a	nd click ok and SAVE.
\$	WLAN						
	Advanced Network	1	*				
20	Firewall	and the second second					
۲	VPN Tunnel	Add +					
泉	Administration	Save√ Ca	ncel ×				



4. Refresh the network adapter by clicking on the Disable/Enable button.

Right click on the network adapter and select Disable.

Right click on the network adapter and select Enable. See screenshots below:



5. Check Status of the LAN interface.

Go to Network Adapter -> Right-click -> Status -> Details

The LAN adapter is now using Public WAN IP address 123.209.255.116 via IP Pass-through.

letwork Connection Details:	
Property	Value
Connection-specific DN	Comset_Domain
Description	Realtek PCIe GBE Family Controller
Physical Address	1C-39-47-BD-5E-51
DHCP Enabled	Yes
IPv4 Address	123.209.25.116
IPv4 Subnet Mask	255.255.255.0
Lease Obtained	Tuesday, 28 May 2019 10:45:03 AM
Lease Expires	Tuesday, 28 May 2019 10:47:03 AM
IPv4 Default Gateway	123.209.25.1
IPv4 DHCP Server	123.209.25.1
IPv4 DNS Servers	192.168.1.1
	10.4.149.70

6. Check internet connection via command line.

```
C:\Users\a>ping google.com
                                                     217.167.78]
'8: bytes=32
'8: bytes=32
'8: bytes=32
'8: bytes=32
'8: bytes=32
Pinging google
Reply from 172
Reply from 172
                                                                               with 32 bytes time=75ms TTL
                                                                                                               of
                                                                                                                     data:
                                          Γ1
                                              72
                                                  .78:
.78:
                                                                                time
                                                                                            46ms
Reply from 172
Reply from 172
                                                   78:
78:
                                                                               time=47ms
time=47ms
                                                                                                               :53
:53
                                 217
                                          167.
                                                  2.217.167.78:
Received = 4, Lost =
times in milli-second
kimum = 75ms, Average
Ping statistics for 172
Packets: Sent = 4,
Approximate round trip
Minimum = 46ms, Max
                                                                                 Lost = 0 (0% loss),
                                                                                    seconds:
         Minimum
                              46ms,
                                           Maximum =
                                                                                                     53ms
C:\Users\a>
```