

Zyxel DX3301 - Routed Setup

- From the dashboard, click the three lines menu in the top-right.
- Go to **Networking** then **Home Networking**.
- Change LAN IP Setup to the routed IPs. The IP address is the router - the other IP address/addresses would be used for other devices as the desired setup requires.
- Set **DHCP** to **Disable**.
- Click **Apply** to save the setup.

The screenshot shows the 'Home Networking' configuration page. At the top, there are tabs for 'LAN Setup', 'Static DHCP', 'UPnP', 'Additional Subnet', 'STB Vendor ID', 'Wake on LAN', and 'TFTP Server Name'. Below the tabs is a descriptive text box: 'Use this screen to set the Local Area Network IP address and subnet mask of your Zyxel Device. Configure DHCP settings to have the Zyxel Device or a DHCP server assign IP addresses to devices.'

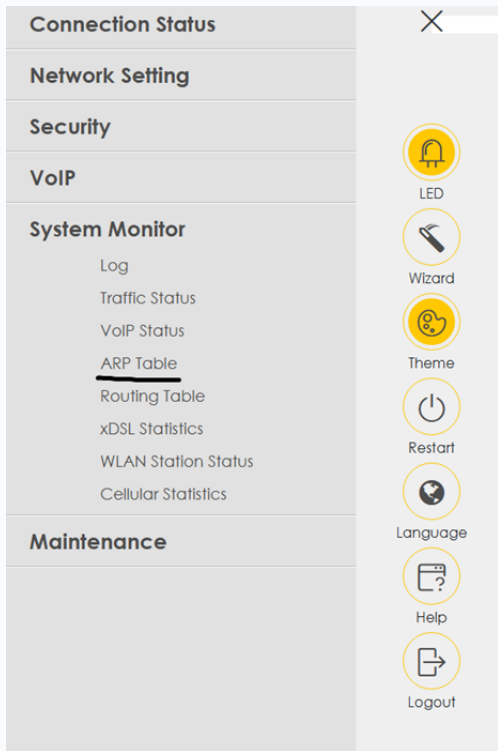
Interface Group
Group Name: Default

LAN IP Setup
IP Address: 164 . 39 . 159 . 234
Subnet Mask: 255 . 255 . 255 . 248

DHCP Server State
DHCP: Enable Disable DHCP Relay

IP Addressing Values
Beginning IP Address: 164 . 39 . 159 . 233
Ending IP Address: 164 . 39 . 159 . 235

- You can ensure the setup is correct by accessing the ARP table, which will show connected devices.



- You will then see those devices connected to the router and the IP assigned – this should match the usable IP addresses for this circuit.

ARP Table

Address Resolution Protocol (ARP) is a protocol for mapping an Internet Protocol (IP) address to a physical machine address, known as a Media Access Control (MAC) address, on the local area network.

An IPv4 address is 32 bits long. MAC addresses are 48 bits long. The ARP Table maintains an association between each MAC address and its corresponding IP address.

Use the ARP Table to view the IPv4-to-MAC address mappings for each device connected to the Zyxel Device. The neighbor table shows the IPv6-to-MAC address mappings of each neighbor.

IPv4 ARP Table

#	IPv4 Address	MAC Address	Device
1	[REDACTED]	[REDACTED]	[REDACTED]