



Connecting CloudGate to Internet using the Ethernet port

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On a CloudGate, that has neither 3G/LTE connectivity nor a WiFi card, Ethernet port can be used to connect CloudGate to the Internet.

To set up CloudGate for this mode:

1) Allow remote access using HTTPS. This is needed because after the changes in steps 2 through 4 below, CloudGate will no longer be accessible. So this “back door” remote access needs to be enabled as the first step:

The screenshot shows the CloudGate web interface with the following details:

- Left Sidebar:** A vertical menu with items: Time Settings, Power Savings, Data Counters, **Remote Access** (selected), Static DNS, Dynamic DNS, Username & Password, Logging, Config export, System reboot, Factory reset.
- Main Content Area:**
 - Data Counters:** A section with "Reset all data counters" and "Reset" buttons.
 - Remote access through HTTPS:** A configuration section.
 - Remote access:** A toggle switch between "Yes" (selected) and "No". An arrow labeled "(1) Enable this" points to the "Yes" button.
 - Port:** A text input field containing "1800".
 - Buttons:** "Cancel", "Save changes" (highlighted in green).
- Top Right:** "Log out" and "OPTION" buttons.



2) Set CloudGate Ethernet port as WAN. Make sure that LAN/WAN Switchover is disabled.

The screenshot shows the CloudGate web interface. At the top, there's a navigation bar with links for Home, Interfaces (which is the active tab), Firewall, Connection Persistence, Provisioning, System, Plugin, and VPN. On the far right of the top bar are Log out and Option buttons. Below the navigation bar, the main content area has a title "Main Ethernet". A red arrow points from the "Interfaces" link in the top menu to the "Main Ethernet" title. Another red arrow points from the "Main Ethernet" title to the "Under Main Ethernet option of Interfaces" text below it. The page content includes a "General" section with fields for Enabled (Yes), Mode (WAN selected), WAN/LAN Switchover (No), Allow ICMP (Yes), and MTU (1500). Below that is an "IP Config" section with fields for IP mode (Static selected), IP address (192.168.1.1), Netmask (255.255.255.0), Gateway (192.168.1.254), DNS 1 (192.168.1.254), and DNS 2 (8.8.8.8). Red annotations provide instructions: "Select WAN" points to the WAN radio button; "Disable WAN/LAN Switchover" points to the No radio button; "Static IP is easier" points to the Static radio button; "CloudGate's IP" points to the IP address field; "Your network's Gateway" points to the Gateway field; and "DNS1 is same as Gateway" points to the DNS 1 field. At the bottom right of the form are "Cancel" and "Save changes" buttons.

3) Assign to CloudGate the static IP on the LAN. Alternatively, if the network has a DHCP server, Dynamic IP can be used. If Dynamic IP option is used, the assigned address can be found on the settings of the DHCP server on the network. In this case, ideally, the DHCP server should be configured to always give that IP address to CloudGate.

If using static IP, make sure that the static IP is not used by any other device on the network.

4) Assign Gateway, Subnet Mask, DNS1 and DNS2. DNS1 is typically the same IP as the gateway and DNS2 can be set to 8.8.8.8 or any other public DNS server.

Save the changes.



You can now access CloudGate through the “back door” on port 1800 using HTTPS. Type the static IP of CloudGate on the address bar of the internet browser:



It is OK to see a Certificate Warning:

Certificate Error: Navigation Blocked - Windows Internet Explorer

https://192.168.1.1:1800/

File Edit View Favorites Tools Help

Certificate Error: Navigation Blocked

There is a problem with this website's security certificate.

The security certificate presented by this website was not issued by a trusted certificate authority.
The security certificate presented by this website was issued for a different website's address.

Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.

We recommend that you close this webpage and do not continue to this website.

Click here to close this webpage.

Continue to this website (not recommended).

More information

Ignore the warning and select “Continue to this website”. This is for Internet Explorer. Other browsers may issue similar warnings that you can ignore and continue to connect to CloudGate:

CloudGate Connecting THINGS to the cloud

Please login

Username: admin

Password: *****

default username/password: admin/admin

Login