Speed Test

**Perform Speed and Latency Tests**

☐ Use <https://www.speedtest.net> or <https://fast.com>

☐ Record Download/Upload Speeds

☐ Download \_\_\_\_\_\_\_\_\_

☐ Upload \_\_\_\_\_\_\_\_\_

☐ Ping ms \_\_\_\_\_\_\_\_\_

☐ Confirm Speeds meet Provision

☐ Run: CMD ping 8.8.8.8 -n 50

☐ Observe Pact Loss & Average Latency

☐ \_\_\_\_\_\_\_\_\_ Minimum

☐ \_\_\_\_\_\_\_\_\_ Maximum

☐ \_\_\_\_\_\_\_\_\_ Average Round-Trips

**Troubleshoot Switches, APs & WiFi**

☐ Re-Seat Cables

☐ Test Connectivity: CMD ping google.com // ping [IP Address]

☐ Verify Device IP Stack: CMD ipconfig /all

☐ Attempt Static IP Assignment (validate DHCP reachability)

☐ Visually Inspect Switch

☐ Trace and Tone Cables

☐ Test Patch Cables

☐ Inspect Access Points

**Check Ethernet Speed**

Enter the Command: 

Right-click the active Ethernet or Wi-Fi adapter → Status

\*\*If you see 100 Mbps, your NIC or your cable/switch port is limiting speed.\*\*

**Ascertain Wi-Fi Interface**

Enter the Command:



**Ascertain NIC Card Configuration (Set to Auto-Negotiate)**

Enter the Command: 

Expand Network Adapters > Right-click your network adapter > select Properties

> Enter Advanced tab > Speed & Duplex > Auto Negotiation or Auto > OK, reboot

**Check Maximum NIC Capability**

Enter the Command:



Results:



\*\*A value of 1000000000 = 1,000,000,000 bps = 1 Gbps (1000 Mbps)\*\*

**Toggle Firewall On/Off**

Enter the Command: 

[***Always turn ON after testing***]

**Tools to Perform a Speed Test**

APP [1099 Folder > APPS]

<https://speedtest.net>

<https://www.highspeedinternet.com/tools/speed-test>

<https://testmy.net/>

<https://fast.com/>