

# Customer-Owned Gateway Specification and Configuration Guidelines

Place your Gateway in a location that is less than 300 feet from the Cincinnati Bell provided Optical Network Terminal (ONT). **The WAN Ethernet port on the Gateway must be set for DHCP and will obtain the IP information from Cincinnati Bell.** The LAN Ethernet port on the Gateway can be set to assign DHCP Private IP information or Private Static IP information. **NAT must be enabled.**

GATEWAY FEATURES	MINIMUM SPECIFICATIONS	PREFERRED SPECIFICATIONS	OTHER CONSIDERATIONS
1 WAN Ethernet port	100 Megabit Ethernet 100Base-T interface speed. NOTE: customers with service higher than 100 Mbps will not reach these speeds.	Gigabit Ethernet 1000Base-T interface speed (required for service higher than 100 Mbps).	Use good quality, fully-compliant Category 5e or 6 Ethernet cables.
1 or more LAN Ethernet ports	100 Megabit Ethernet 100Base-T interface speed. NOTE: customers with service higher than 100 Mbps will not reach these speeds.	Gigabit Ethernet 1000Base-T interface speed (required for service higher than 100 Mbps).	Use good quality, fully-compliant Category 5e or 6 Ethernet cables.
DHCP WAN IP Addressing	Dynamic assignment of IPv4 IP Address. (Subnet Mask and Default Gateway provided by Cincinnati Bell once connected to the network).	◆	◆
LAN IP Addressing	Dynamic assignment of Private IPv4 address assignment via DHCP or Static for IP Address, Subnet, and Default Gateway.	Dynamic assignment of private IPv4 address assignment via DHCP or Static for IP Address, Subnet, and Default Gateway . Secondary public IPv4 Subnet on LAN for Static IP customers as assigned by Cincinnati Bell).	Public Static IP service is provided by Cincinnati Bell for an additional fee.
Wireless	802.11n (2.4GHz) Wi-Fi connectivity	Dual-band 802.11n (2.4GHz) and 802.11ac (5GHz) Wi-Fi connectivity.	The numbers and types of antennas and MIMO capabilities can affect wireless throughput.
Firewall	Imbedded firewall capabilities	◆	◆
Advanced Routing	◆	Forward traffic from WAN to LAN via port forwarding rules.	◆