

AT&T Cell Booster & AT&T Cell Booster Pro Broadband Connectivity Configuration Requirements

Broadband Minimum Requirements:

AT&T Cell Booster & AT&T Cell Booster Pro require a customer provided direct internet broadband connection for connectivity with the AT&T Network. The required bandwidth depends on the number of simultaneous users you want support and whether data-intensive applications will be used. The minimum required bandwidth recommended:

	Broadband Minimum Downlink bandwidth	Broadband Minimum Uplink bandwidth
Cell Booster	5Mbps	1Mbps
1 Cell Booster Pro	25Mbps	5Mbps
2 Cell Booster Pro	30Mbps	7Mbps
3 Cell Booster Pro	35Mbps	9 Mbps

Local Broadband Settings

For users with custom local Network settings, confirm the following router/switch settings are set in order for your AT&T Cell Booster to establish connectivity with the Network:

1. DHCP is ON
Note: For installations where static assignment of an IP address is desired the use of MAC Binding and static DHCP Reservation is suggested. Static IP is not supported.
2. Public DNS is reachable
3. MTU size is set to 1500 or higher
4. MAC address filtering is either turned off or allows the MAC address of the AT&T Cell Booster.
5. IPSec Pass-Through is Enabled.
6. Block Fragmented Packets is Disabled

If using multiple routers, AT&T Cell Booster must be connected to the first router connected to the broadband modem. If AT&T Cell Booster is connected to a router that is connected to a modem and both the router and the modem have NAT (Network Address Translation) enabled, disable NAT either in the router or in the modem.

Broadband Connectivity and Port Configuration

Installing AT&T Cell Booster behind a firewall or router with firewall capabilities requires the following port settings to allow communication with the AT&T Network. All ports listed need to be Open for inbound and outbound connections:

- UDP / 500 IPSEC Port
- UDP / 4500 IPSEC Port
- UDP / 123 NTP Port (timing sync)

Unimpeded inbound and outbound traffic on UDP ports 500 and 4500 is required to establish a secure IPSec tunnel. AT&T Cell Booster uses NTP for timing synchronization and requires UDP port 123 to be open for this traffic.

If the local network has a firewall with specific IP addresses allowed to pass through, traffic to and from the following addresses must be allowed to pass:

Fully Qualified Domain Name	IP Address	Port
bootstrap-ipsecrouter1.ngfemto.wireless.att.com	12.230.209.76	udp 500, 4500, 33434 thru 33450
initial-ipsecrouter.ngfemto.wireless.att.com	12.230.209.12	udp 500, 4500
N/A	216.239.35.8	udp123
N/A	216.239.35.12	udp123
N/A	129.134.25.123	udp123
N/A	17.253.4.125	udp123
crtn-oam.ngfemto.wireless.att.com	12.230.209.13	udp 500, 4500, 33434, 33435, 33436
crtn-4gb.ngfemto.wireless.att.com	12.230.209.14	udp 500, 4500, 33434, 33435, 33436
hzwd-oam.ngfemto.wireless.att.com	12.230.209.77	udp 500, 4500, 33434, 33435, 33436
hzwd-4gb.ngfemto.wireless.att.com	12.230.209.78	udp 500, 4500, 33434, 33435, 33436
clmb-oam.ngfemto.wireless.att.com	12.230.208.205	udp 500, 4500, 33434, 33435, 33436
clmb-4gb.ngfemto.wireless.att.com	12.230.208.206	udp 500, 4500, 33434, 33435, 33436
rcpk-oam.ngfemto.wireless.att.com	12.230.208.141	udp 500, 4500, 33434, 33435, 33436
rcpk-4gb.ngfemto.wireless.att.com	12.230.208.142	udp 500, 4500, 33434, 33435, 33436
dctr-oam.ngfemto.wireless.att.com	12.230.208.61	udp 500, 4500, 33434, 33435, 33436
dctr-4gb.ngfemto.wireless.att.com	12.230.208.62	udp 500, 4500, 33434, 33435, 33436

lkmr-oam.ngfemto.wireless.att.com	12.230.208.77	udp 500, 4500, 33434, 33435, 33436
lkmr-4gb.ngfemto.wireless.att.com	12.230.208.78	udp 500, 4500, 33434, 33435, 33436
snap-oam.ngfemto.wireless.att.com	12.230.209.221	udp 500, 4500, 33434, 33435, 33436
snap-4gb.ngfemto.wireless.att.com	12.230.209.222	udp 500, 4500, 33434, 33435, 33436
sntd-oam.ngfemto.wireless.att.com	12.230.209.157	udp 500, 4500, 33434, 33435, 33436
sntd-4gb.ngfemto.wireless.att.com	12.230.209.158	udp 500, 4500, 33434, 33435, 33436

Note: Because of the wide variety of network configurations, router/switch manufacturers, Internet Service Providers and corporate internet policies; AT&T does not provide comprehensive local network troubleshooting. AT&T recommends consultation with a network specialist, corporate IT organization, router manufacturer, and/or Internet Service Provider to answer specific network setup questions.