

# Recommended Equipment

## Staff Favorite Gear

### Netgear CM500 Modem

Works with almost all US-based cable ISP's.

1. Why have your own modem?
2. In addition to saving on ISP rental fees, owning your own modem means your ISP can't change your settings in unannounced updates. Changed settings equals potential missed calls.

<https://amzn.to/3M2zK63> Up to 400 Mbps - **Most Popular**

<https://amzn.to/3tDQaLO> Up to 800 Mbps

<https://amzn.to/48SfsGh> Up to 2 Gigabits

**note** - Fiber service does not require a modem but will require an ONT, which is usually provided by the ISP.

Also, Cellular modems do not work reliably for VOIP.

### TP Link Routers

**WiFi Router** <https://amzn.to/46WkVKq> For most small businesses, the TP Link Archer AC1750 is an excellent all around router. Good no-frills router with simple management and nice WiFi range for 2-3000 ft' under optimum conditions.

**Router & Access Points** For businesses needing subnets and/or multiple WiFi zones, or with multiple stories, we love the TP Link ER605 Omada router paired with your choice of Omada access points.

<https://amzn.to/46UYftW> - Router

<https://amzn.to/46WjMIM> - Access Points (also work to extend range of standard routers). These require POE, consider a POE switch such as <https://amzn.to/3S6Q9Kq>.

<https://amzn.to/3u1MqUo> - Hardware Controller (strongly recommended when using multiple access points).

**note** - Mesh routers and satellites should **NOT** be used for VOIP systems operating on WiFi. We have had success running wired systems exclusively off of the base unit. We have also had success using mesh satellites in Access Point Mode with a traditional router. Mesh is generally fine for home use but has no place in a business setting.

## Switches

**Managed** If you have a managed switch (yes, even an unmanaged managed switch), please plan on having a good IT person on call. Managed switches are fine for VOIP, but require competent and ongoing management. Please refer to the “Specialized Firewalls” section of [Firewall/Network Configuration](#) for additional management guidelines for most popular specialized firewalls.

### Non-POE

**Unmanaged** For most small businesses, a TP Link TL-SG108, TL-SG1016, or TL-SG1024 will be ideal.

<https://amzn.to/3M1Ozpy> - 8 port.

<https://amzn.to/3tAuhgm> - 16 port.

<https://amzn.to/3M1Ozpy> - 24 port.

<https://amzn.to/3QmR34e> - 48 port.

**POE** - suggested for systems using access points or for folks who want to power their phones by POE rather than a wall plug.

<https://amzn.to/3S6Q9Kq> - 8 port switch, provides 4 POE ports.

<https://amzn.to/3S0gSsd> - Provides 16 POE ports.

<https://amzn.to/3Qnh7wg> - Provides 24 POE ports.

<https://amzn.to/3rVvBtl> - Provides 48 POE ports.

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