

**Internet Service Providers:** An Internet Service Provider, or ISP, is a company that provides you access to the internet. We can help you pick an ISP based on price, internet speed, and location.



**Routers:** Routers direct network traffic, allowing you to have multiple devices connected to the internet.

**Wi-Fi:** Wireless access points provide internet access, reducing the need for cabling.

**Cabling:** Cabling is an important part of a local area network infrastructure.

**Battery Backup (UPS – Uninterruptable Power Supply):**

## Internet Service Providers:



\*Northshore only

## Secondary Internet Service Providers:

You may want to consider a second ISP in the event of an internet outage. Having multiple internet service providers keeps you connected to the internet even if one of their connections goes down. One solution is to use a cellular internet card.

## Fiber:

Fiber, or fiber optic cable, is a business grade cable offered by Internet Service Providers. It is an alternative transport to coax or copper, providing more reliable and faster data transfer than its counterparts.

Fiber is more costly than other cable alternatives, but it should be considered if great reliability and speed are necessary for your network.



## Routers:

### Router Software Options:

- Firewall
- Web Content Filter
- Intrusion Detection
- Anti-Virus / Botnet
- Anti-Malware
- Management DHCP / DNS
- VPN

### Router Hardware Options:

- Switches (LAN)
- Wi-Fi
- Cellular Backup / 5G



A 48 port network switch



## Wi-Fi:

Wireless access points spread Wi-Fi coverage to a small area, providing internet access to devices without the need for local area network (LAN) cabling.

Most wireless access points are mounted 6' or higher on walls and can transmit up to 50-300 feet depending on the frequency of the signal used and the environment around the access point.

You can find more info on Wi-Fi and wireless access points in our Wi-Fi Presentation.

Ubiquiti Wireless  
Access Point



## Cabling:

We install CAT6 network cable for computers, printers, and telephones. We also perform end to end network testing and cable certification.



## Battery Backup (UPS – Uninterruptible Power Supply):

Uninterruptible power supplies keep your devices constantly powered. These can be useful for preventing data loss from a power outage, or for keeping vital devices online for a short time during a power outage.

The battery charge of a UPS can last up to a few hours, depending on the model and the number of devices connected.

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