

WHAT IS AN ACCESS POINT?

SENSYS TECH TALKS *WI-FI*

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An access point or wireless access point, provides access to a local area network (LAN) wirelessly (WLAN). Before wireless access points were used, connecting to a LAN was done by plugging in a device such as a desktop PC by using an ethernet cable. With a wireless access point, devices such as laptops and smartphones can **transmit and receive data** over a network using radio waves in the 2.4 gigahertz (GHz) and 5GHz frequencies.

WHEN SHOULD IT BE USED?



A wireless access point should be used in environments where devices need the ability to be mobile and **roam around as needed**. In most cases, it is **easier and more cost effective** to deploy a wireless access point to an area that has no wired infrastructure. Typically in a home environment, your internet service provider (ISP) will provide you with a router that will have a wireless access point built in. In a business environment, ISP routers are not typically used so a wireless access point will be needed to provide the business with WIFI signal.

HOW CAN YOU INCREASE PERFORMANCE

Some simple **tips** to help increase the performance of your wireless access point:



- The closer to the access point you are the better, if the access point is sitting behind a concrete wall, your signal strength will be significantly reduced.
- Neighbouring wireless access points compete for air time. Having two access points on the same channel that are close in proximity will reduce performance.
- Upgrade your wireless access point to a newer model.

PROFESSIONALLY MANAGED WI-FI

We have experience with customers such as hotels, restaurants, stadiums which would have a high influx of people logging onto their Wi-Fi at the one time. They all want **consistent speed** and **consistent reliability**. SenSys guarantee that as we design a WiFi map to pre-determine the best positioning for your access points. Clients can access additional **intelligent features** such as email capture for marketing databases, or other user trends of repeat customers to your venue.

Get in touch to see what SenSys can do for you.