Common Wireless Design Mistakes Checklist

There are many factors that can be affecting your wireless network performance. The key to a reliable and secure system begins at design. If you're network was not designed for the devices and space you are looking to support, or if it’s been a while since your last update, you may be experience connectivity issues.

Here is our checklist to see if you are list of the 7 most common wireless design mistakes our customers are experiencing when they contact us for a new design. Once we've helped you identify your issues,

**Schedule a Wireless Site Survey**

A Wireless Site Survey will need to be conducted to determine gauge the coverage you can expect and how many access points you will need. Will RDF Predictive Design, you may be able to get a solid mapping of your intended coverage area without having an engineer come on site. This can be a time and cost-efficient option, but for larger or more complicated designs, like those that cover multiple buildings or locations, we still recommend have an on-site inspection. During your initial consultation we will be discuss with you the best options for mapping out your site, be that in person, online, or through one of our reputable partners.

**Plan for the future**

Technology continues to grow and expand at lightning speed, with no signs of slowing down. Have you prepared your wireless system to support more devices in the future? Chances are no. Whether you are start-up looking to grow your company, a university with plans to increase enrollment, or just want to be prepared for the future, you should start planning for those devices now. The shelf life of your wireless system is 3-4 years, so you may already be using outdated equipment. When upgrading or installing a new wireless infrastructure, take into consideration your needs for the next few years so that you can ensure you stay ahead of the curve.

**Consider Capacity & Performance**

When preparing for a wireless network design, you should consider the high-density areas and how many devices your system can realistically support (capacity) as well as the types of applications like wireless VoIP that require high performance levels. It’s more than just making sure you have an RF signal in those areas. Wireless network is not a one-size-fits-all model. You will need to acknowledge the areas where you

**Make Security a Priority**

At SecurEdge, our method for designing a Wireless Network Infrastructure begins with security. You want a system that has integrated security, role-based access control, and wireless intrusion prevention, to ensure that you have a secure and balanced system.

When designing a secure network, you must consider how many users are connecting to your network and how many/what type of devices are connecting to your network. These are critical things you have to know to manage a large scale wireless system. We can help you estimate the number of devices on your network currently and how many you may need to plan for in the future when designing your wireless network.

**Know what equipment you need**

Wireless system manufactures vary heavily in features offered and in what their systems were designed to do. Most were designed for a specific market (i.e. Retail, Manufacturing, or Hospitals). Be sure to select a vendor that has designed a system for your environment, to handle your applications.

We’ve partnered with leading product developers in the industry to ensure we are delivering the most recent and highest quality hardware for your system. We will help you asses the products you already have and decide whether you need to upgrade or incorporate your existing hardware.

**Partner with a Deployer**

Wireless is confusing. It’s important to have a partner that can help with planning, design, deployment, and support.

At SecurEdge we Design, Deploy, and Support large scale wireless networks. If you need help with wireless network design we've got you covered. We offer many of those services at no charge to you. We also have a number of free resources for you to access on our site.

So if you are just starting a project, looking to upgrade your wireless network, or just want some more information about what is included in SecurEdge WiFi, you’re in the right place. If this is your first time on our site, then a member of our team will be reaching out to you soon.

We hope you enjoyed the checklist!

Sincerely,

SecurEdge Team