

Smart Router Use Cases

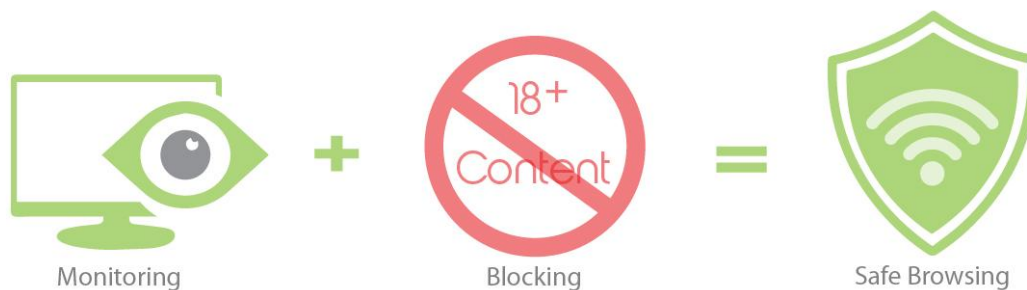
Online monitoring and blocking

1. **Problem:** Exam is near, but your kid is spending too much time on the internet? As internet has become an integral part of our modern lifestyle, many parents are facing similar problem where their kids are spending most of their time on the internet seeking entertainment instead of studying.

Solution: The Smart Router from AplombTech will enable you to block any website which you do not want your children to go to during exam such as Facebook, Youtube etc.

2. **Problem:** Internet has countless uses. On one hand, it provides a wealth of knowledge which greatly aids in studying; it also gives access to harmful contents. Knowing how your kids are using the internet and what they are being exposed to is not always possible.

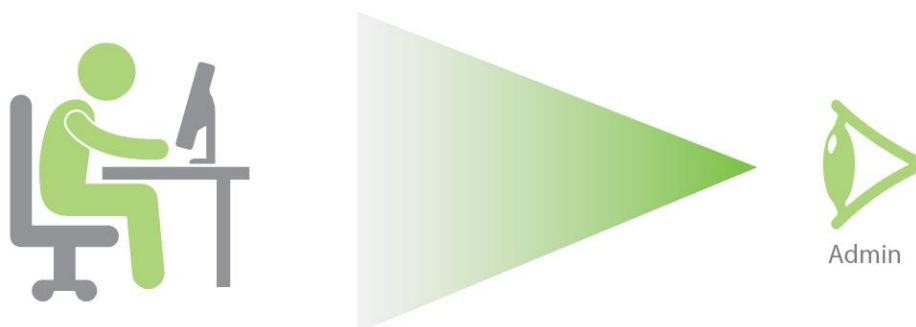
Solution: Using smart router, you can monitor internet activity of the users at all times, enabling you to ensure safe and proper usage of internet in your house or office.



Remote Management:

Problem: You have multiple routers with multiple users in your home/office but monitoring users individually is inconvenient and time consuming.

Solution: Using smart router, admin can monitor all user's internet activity from anywhere in the world.



Network attached storage:

1. **Problem:** Your friend wants to get some movies, games and other large files from you but is unable to come to your house right now.

Solution: You can attach any storage device (hard drive, usb, micro sd card etc.) to your smart router and create data storage server. This will enable you to transfer files at high speed to your friend, colleagues etc.



2. **Problem:** Soft copies of necessary documents are often needed to be transferred between multiple departments in an office. Doing this repetitive task with pen drive or other traditional methods is time consuming.

Solution: Using the network attached storage feature in Smart Router, common documents can be uploaded in the USB/SD Card/Hard Drive attached to the Router. This will save a lot of time regarding file transfer in the office.



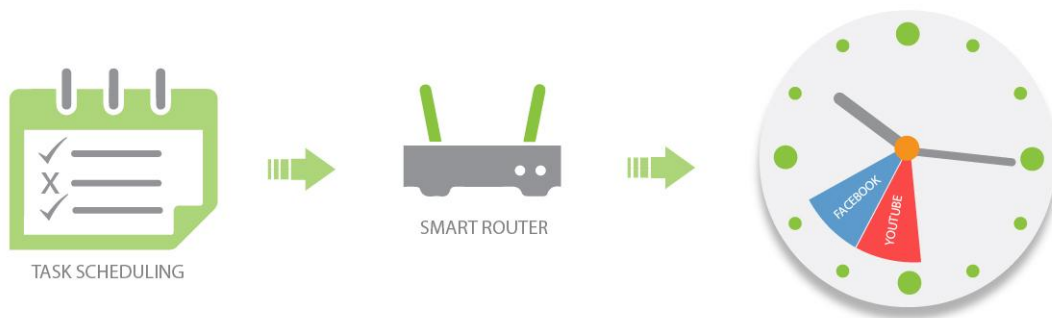
Task scheduling

1. **Problem:** You want to set a routine for your kid so that he/she can study and afterwards browse Facebook, Youtube etc. in a timely manner. But when you are outside, how can you make sure that your kid follows said routine?

Solution: Using the Task Scheduling feature of Smart Router, you can block specific website for specific time allowing access according to the schedule that you have set.

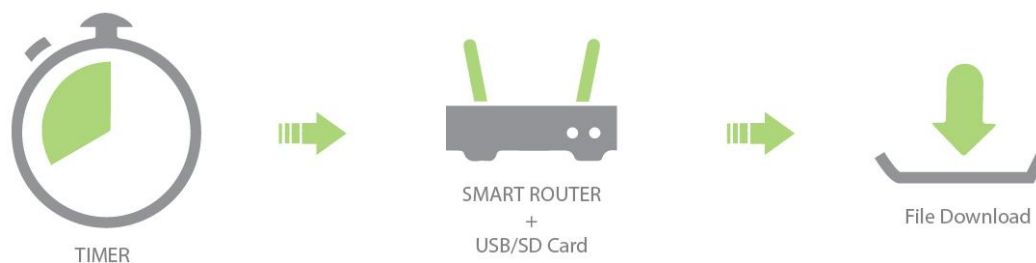
2. **Problem:** Not getting enough bandwidth in your office? It tends to happen on account of employees doing personal tasks on the internet and downloading large files. As a result, everyone experiences slow internet speed.

Solution: Using smart router, you can set specify when specific users can access the internet, which sites they cannot access and how much bandwidth users will get by blocking specific websites for specific time. Making sure employees get enough bandwidth during office hours. For example an employee can set specific time when personal or training materials etc. do be downloaded to Router's attached storage between 6 p.m. to 9 a.m.



3. **Problem:** You want to download the new Avengers movie after you return home from office but you are now using the internet to work on a project. How can you download that movie if you taking your laptop to office?

Solution: If you attach an external storage device to smart router and specify the download link and time of download; your router can download that movie and store it to external storage without needing to be connected to a computer.



Network Video Recorder:

Problem: You have installed security cameras in your shop/factory but what if robbers destroy your camera during robbery or take the camera SD card?

Solution: If your security camera is connected to your smart router, the recorded footage can be saved on external storage device attached to the router wirelessly. So even if the camera is destroyed, you will not lose the recording.



Smart home solution:

- 1. Problem:** You have left your home in haste and after reaching office, realized you have left the lights and AC running.

Solution: Smart gateway is a central part of the Smart Router. It supports our smart home products enabling you to control your home appliance from anywhere in the world.

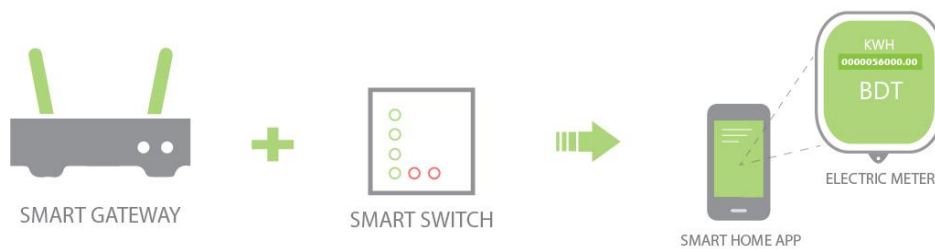
- 2. Problem:** You are returning home from office. It is very hot outside and you know the temperature in your room is uncomfortable. It will take some time to cool down your room with your AC.

Solution: If you have the Smart Router in your home, you can set it to automatically turn on your AC when you arrive within a certain distance to your house. So even if you forget to turn on your AC remotely, you don't have to come to a heated room any more.



Appliance specific electric bill data:

- 1. Problem:** We are often worried about electricity consumption by home appliances and the electricity bill at the end of the month. For example: you have purchased a new AC and you are thinking how much it will affect your electricity bill.
Solution: Using our Smart Switch, you will know how much electricity bill is generated by each appliance connected to the switch at the end of month. With Smart Router connected to the switch, you can have access that power consumption data from anywhere.
- 2. Problem:** When purchasing electronic appliances, we concern ourselves with aspects such as price, design etc. rather than the power consumption rating. Often we end up with appliances which consume a lot of electricity resulting in a large electricity bill.
Solution: If you have smart switch installed, you will know how much electricity bill each appliance is generating which will enable you to identify which appliances are to be used cautiously and make better purchase decision.



Feature Cluster:

Problem: Large establishments such as Schools, Universities, factories etc. require a lot of routers to function. But how would you monitor all those routers? And how you control their features regularly?

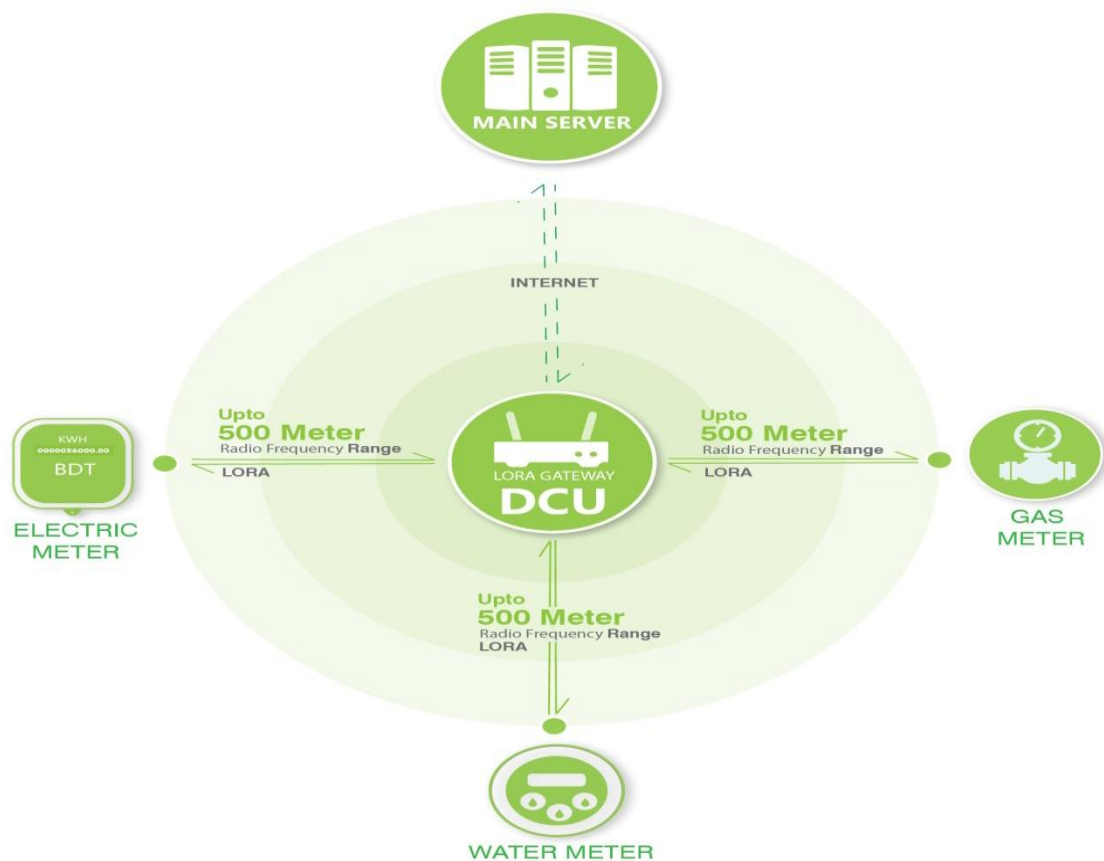
Solution: No matter how many Smart Routers you have in your organization, you can monitor them and control their features instantly from just one router.



Data concentrator unit (DCU)

Problem: Utility meters (Electricity, Gas, Water meter) transmit meter reading and other data which needs to be collected and sent to the central server. For that requirement, you need to purchase a DCU device which are expensive and have limited functionality.

Solution: AplombTech Smart Router is capable of working as a DCU device. Using RF gateway, it can collect data from utility meters and send them to the central server, it can also deliver instructions and data from central server to utility meters. You do not need to purchase an additional DCU device if you have the Smart Router.



Wireless protected setup (WPS)

Problem: Often guests who come to your home want your Wi-Fi password. You may hesitate because of the security risks but for the sake of courtesy, you give in. What if there was some way to share your internet securely without revealing your Wi-Fi password?

Solution: Smart Router has WPS functionality which enables you to give internet access to others without sharing your Wi-Fi password. Every time you enable WPS, a random temporary pin code is generated. As long as WPS is turned on, devices (smart phones, laptop, etc) can connect to your wireless network by entering the code. As soon as you turn off WPS, no new device can connect using that code. So your Wi-Fi remains safe.

