

Project Submission for:

Unpacking Internet of Things

Product Name: Samsung 810 L Frost Free Side-by-Side Refrigerator



Product description

The Family Hub that offers a wide range of smart features that allow consumers to do what they could not do before. These include -

Components:

1. **Physical** – A refrigerator for food storage food storage with meal preparation, keeping family members better connected and organized, and providing enhanced entertainment.
2. **Smart** - Family Hub is also more intuitive and intelligent with the addition of Bixby voice control
3. **Connectivity** - Integration with Samsung's SmartThings IoT ecosystem.

Attributes are supported by below mentioned Capabilities. The same has been explained in the project.

1. **Monitor**
2. **Control**
3. **Optimize**
4. **Automate**



Manage Food Easily

Manages food more effectively and reduces waste. One can see inside using the screen or a smartphone and add items to a shopping list with a touch or voice command. It even provides recipes suggestions.



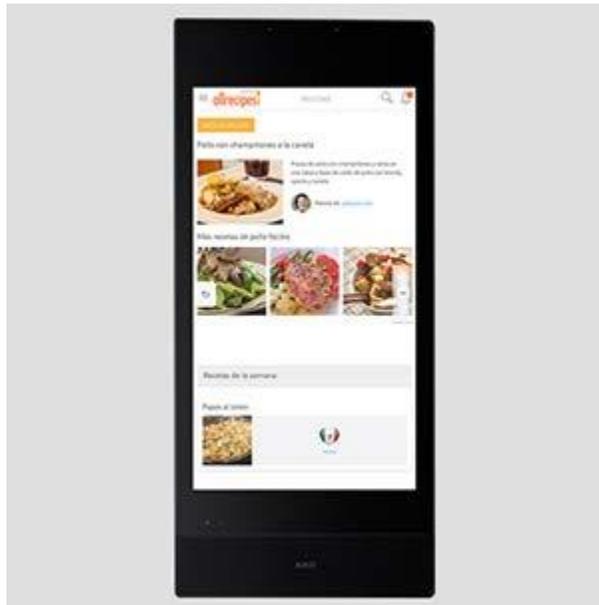
View Inside Anywhere

Look in fridge without opening the door. The view inside feature's 3 internal cameras lets the user see inside using the screen or a smartphone. The food expiration date is automatically tagged. One can add items to a shopping list or include reminders. And when one is shopping he/she can check what is already there inside the fridge.



Shop Efficiently

Plan meals and create a list of items one need with the shopping list app. Simply use the screen to add items to your shopping list. If a recipe is recommended, any missing ingredients can be added with a touch or voice command. And if list is synced with the phone one can check it in the store.



All Recipes Food

Easily find tasty and practical recipes with the recipe app (powered by all recipes).

Search various recipes or get suggestions based on food preferences.

* Voice command (English only).



Get Closer to Family

Take care of family members and bond closely with them. One can share memos, tasks, instructions, activity lists and photos. One can also share and check family schedules and stay up-to-date with useful daily information or trivia.



Always Stay Informed

The morning brief automatically displays useful daily information on the screen. It shows weather and schedule, any time you choose or when you open the door. Or you can activate it using bixby voice recognition. It will identify who's talking to it and provide an information relevant to you.



Never Forget Events

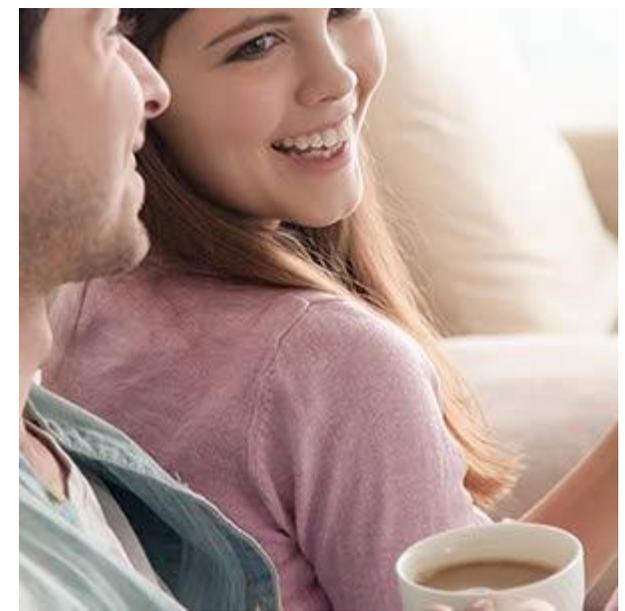
Make sure that you never miss a family event. The event calendar lets you check the schedules of family members at a glance. You can update entries on the fridge or from a smartphone and sync the schedules with Google and Microsoft 360 calendars.

So you will never forget important dates!



Easily Stay in Touch

Enjoy a really fun and effective way to communicate with your family. Using the memo, to-do and gallery apps you can share memos, task lists, instructions, activity schedules and photos. As soon as anyone steps close to the fridge the home screen turns on, so they can see what you've put.



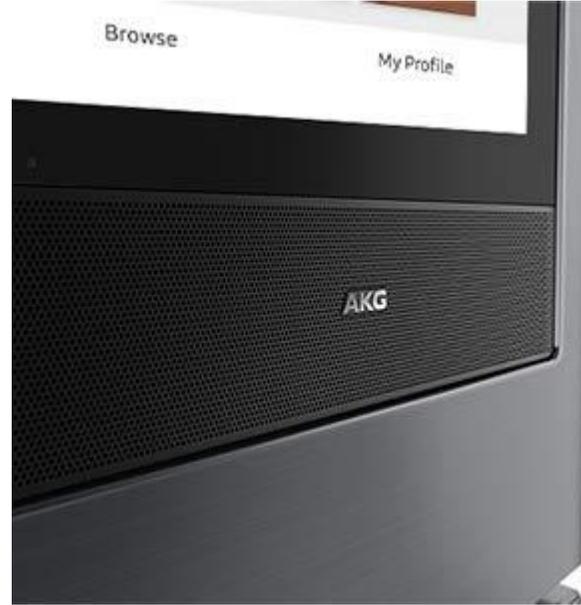
Non-Stop Entertainment

Enjoy seamless entertainment in the kitchen. Stream music or listen to radio stations, news, podcasts and comedy shows. You can also watch your favourite TV programs or mobile content on the family hub screen. And the high quality, built-in speaker will fill the kitchen with pure studio sound.



Watch TV and Cook

Watch all of your favorite TV programs or mobile content while you are cooking. It can display whatever is showing on any Samsung Smart TV or mobile phone in your home on the family hub's screen. Simply open the app on the family hub's screen and choose the TV or smart device you want mirrored.



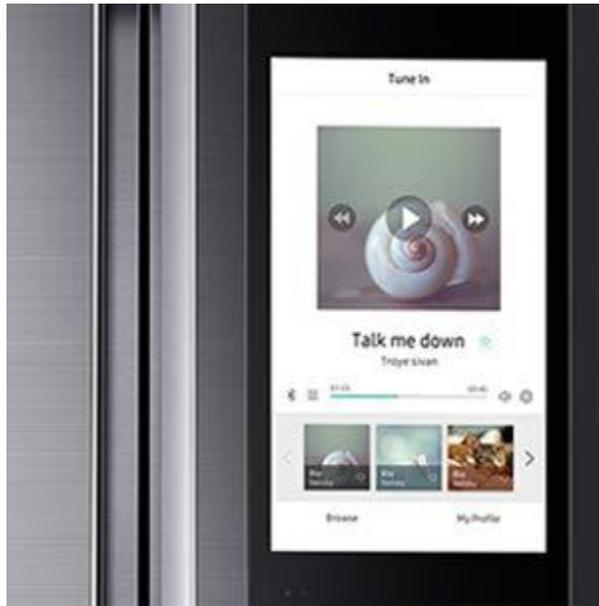
High Quality Speaker

Enrich the entertainment in your kitchen with a superior quality sound. The built-in AKG premium quality speaker will fill your kitchen with pure studio sound that's deep in bass and rich in mid-range. So you can enjoy music, radio and TV without installing additional speakers.



Connected Living

Use your smart devices more conveniently and make your home safe. You can monitor, control and schedule the operation of your smart appliances and IoT devices on the Family Hub screen.



Bixby

Take advantage of family hub's intelligent voice assistant when your hands are full, or you're craving cooking inspiration. Tell bixby what you need and get better control of your home (English only).



Keeps Food Fresher

Keep different foods deliciously fresh in the flex zone. This independently controlled fridge drawer provides an extremely flexible storage space. With just one touch it can be converted to four pre-set temperature settings. These are ideal for wine, cheese, cold drinks and chilled food or meats.



Revolutionary Triple Cooling

A triple cooling system independently controls and optimizes the temperature, maximizes humidity and prevents odors mixing in 3 compartments. A metal cooling plate also helps keep the air cool to maintain freshness.