



PAI

PRIVACY ASSOCIATES INTERNATIONAL LLC

IoT's Brave New World: What it Means to Privacy Pros Today and Tomorrow

IAPP KnowledgeNet Detroit

July 29, 2015

Agenda

- Intros, announcements and administration
- Discuss privacy aspects of IoT

Intro Matters

- Future Meeting Dates
 - September 16,
 - November 5
- Privacy, Security, Risk 2015 -- Presented by IAPP Academy and CSA Congress
 - Las Vegas September 29 – October 1
- Today's program

Purpose

- Provide a forum to begin discussing some of the complex privacy aspects of IoT
- Discuss factors to consider when considering connected devices
- Engage in an interactive session to highlight concerns and possible solutions from the session's discoveries.

The appliance of tomorrow is here *today!*



Cloud-connected, highly advanced with sleek styling



HAL 2018 -The Ultra-Modern Appliance!



Product Data

HAL 2018 Interacts with the other smart devices you probably already own. You can connect your FitBit, Apple watch, Apple or android phone and simplify your life.

Keep track

- Keep track of what goes in and what comes out of the HAL 2018 refrigerator.
- Helps you track the items getting low or approaching expiration dates.
- Lets you know who opens the door and when
- Helps you keep track of what is consumed and when it is time to reorder

Features

- In-door camera with facial recognition software
- Hideaway door handle with biometric scanner

By linking with your fitness devices the data can be combined, configured and delivered to your medical advisor! An optional assist feature can be programmed to help those who need reminders or have special timing requirements to come-an- get-it! When combined with the optional G-list feature, HAL 2018 will automatically generate grocery lists for you before you run out items. With its internal sensors and proprietary technology not only will it help busy early adopters reduce the burden of making shopping lists, with the optional home shopper feature HAL 2018 will do the shopping for you. It can place orders for groceries at your selected provider and arrange delivery saving you considerable time for other activities!

Brought to you by HF, maker for cutting edge appliances and other connected products. Visit HFonlineshoppers.com for ordering details.



Product Data

- Additional Product Specifications
- **Operation:**
- Multi-zone temperature control
- Water dispenser
- Ice maker
- Touchscreen with date, time, temperature controls
- Embedded applications like Pandora, news channels, weather reports, calendar, cooking/recipe site Bar code scanner
- Infrared scanner
- Facial recognition door and internal cameras
- Biometric handle scanner
- Energy use tracking
- Consumable product date tracking
- Number, time of day and user data capture
- Fault codes
- Predictive failure analysis
- **Capabilities:**
- Track input and outtake of items
- Suggest recipes based on items in the refrigerator
- Create shopping list based on product 'status' against a standard pantry or self-input target
- Send alerts of low inventory of 'critical' items, temperature variances from optimal range, water filter change needed
- **Data Collected:**
- Appliance efficiency
- Power consumption
- Water consumption
- Food purchases/inputs
- Food consumption/outtakes
- Biometric data
- Health data
- Physical activity data
- **Optional Additional features:**
- Biometric device (fingerprint, iris scan, facial recognition) to track inputs/outputs by person
- Locking mechanism to protect against opening of doors by children (safety) and block snacking
- Orders sent directly to selected grocers to deliver items for restock
- Touchpad to take heart rate
- Link to FitBit, JawBone, etc to advise you of what you can eat to hit target net calorie count
- Bluetooth or WiFi link to internet or home network
- Download to budget software to auto-track food spend
- Programmable electronic voice to help maintain food regimen
- Helps those with cognitive concerns know when it is time to eat and people on restricted diets to avoid prohibited items (e.g. taking a piece of cake)

Today's Meeting Logistics

- Five Groups
 - Manufacturer (HF)
 - Consumers
 - Consumer Advocates (3P)
 - Adjacent Information Users (BAU)
 - Governmental Regulators
- Break out discussions within groups separate facts/questions per group
- The Great Coming Together

Questions?

Let Us Begin

