

Computer Know How Series

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Smart Home Devices – Thursday May 9th 2019 @ 2pm

<http://www.aehost.net/morpd> or <http://www.morpd.com>

As technology integrates more and more into our lives, we start to see it in devices that we have used for decades. The introduction of smartphones and tablets have accelerated this reality. Today we have many simple solutions that can help us in our busy life style and more devices will be introduced as technology infiltrates everyday life.

1) Smart Devices and Connectivity

a. Devices

- i. Plugs and Switches
- ii. Lights fixtures or Bulbs
- iii. Locks/Doors and Security/Alarms
- iv. Thermostats and Smoke/Carbon Dioxide Detectors
- v. Cameras and/or Intercom (security and/or communication)
- vi. Controllers (Z-Wave and Zigbee) and Remotes (TV or other devices via RF and IR)
- vii. Monitoring and Notifications (Energy, Solar, Devices, etc)
- viii. Fans (Attic and others)

b. Connections (LAN _____ and HAN _____)

- i. Wi-Fi _____
- ii. Z-Wave (controller needed)
- iii. Zigbee (controller needed)

2) Control and Assistants

a. Smartphone and Tablet Apps

b. Voice Assistants

- i. Amazon Echo with Alexa
- ii. Google Home with Google Assistant
- iii. Apple Home Pod with Siri

c. IFTTT _____

3) Security

a. Encrypted Communication via SSL/TLS _____ / _____.

b. Complex Passwords and Two Factor Authentication.

4) Benefits

- a. Improve your energy saving and monitor individual devices.
- b. Enhance your safety and security.
- c. Notification, access and control devices while home or away.

5) Resources/Links

- a. Demo of Smart Devices – Kasa by TP-Link, Wemo by Belkin, Feit Electric, Nest, Google Home, Amazon Echo, Bond, Kuna, Enlighten by Enphase, Sense.
- b. Google.com and search Smart Home Devices or What can I do with My Smart Assistant (Google Assistant or Alexa or Siri).