HYPE OR MYTH: SMART HOME SECURITY

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Our “smart home” included...

Home assistants and hubs
Motion Sensors
Smart Plugs
Smart Cameras
Weather Stations
Wireless Speakers
Internet Radios
Encrypted firmware updates
Encryption of transferred data
Insecure login

Insec@re Passwords
Privacy concerns

- Weight
- Passwords
- Birthday
- Health
- Behavior
- Social Security
- Schedule
- Documents
- Photos/Videos
The vulnerable device
Hype or Myth?

- Unencrypted updates of firmware
- Weak encryption of data transfers
- Communication with server in plaintext
- Unauthenticated remote code execution (REC)
- Insecure login and unprotected passwords
- Unauthorized sharing of data in LAN
- Privacy concerns
Conclusion

Research vulnerabilities and concerns
Can the device be updated
Read the privacy policy
Consider carefully what you are willing to share
Be cautious when sharing on social networks
Voice controlled intelligent personal assistants may know too much