

SMART HOME



SECURITY



SYSTEMS



# Outline

Introduction: what is smart home security?  
and why do we need security for it ?



Technologies used in home security



Tools used for hacking the smart home system



Components of smart home security



Advantages of smart homes



Disadvantages of smart homes



Conclusion





# WHAT IS SMART HOME SECURITY?



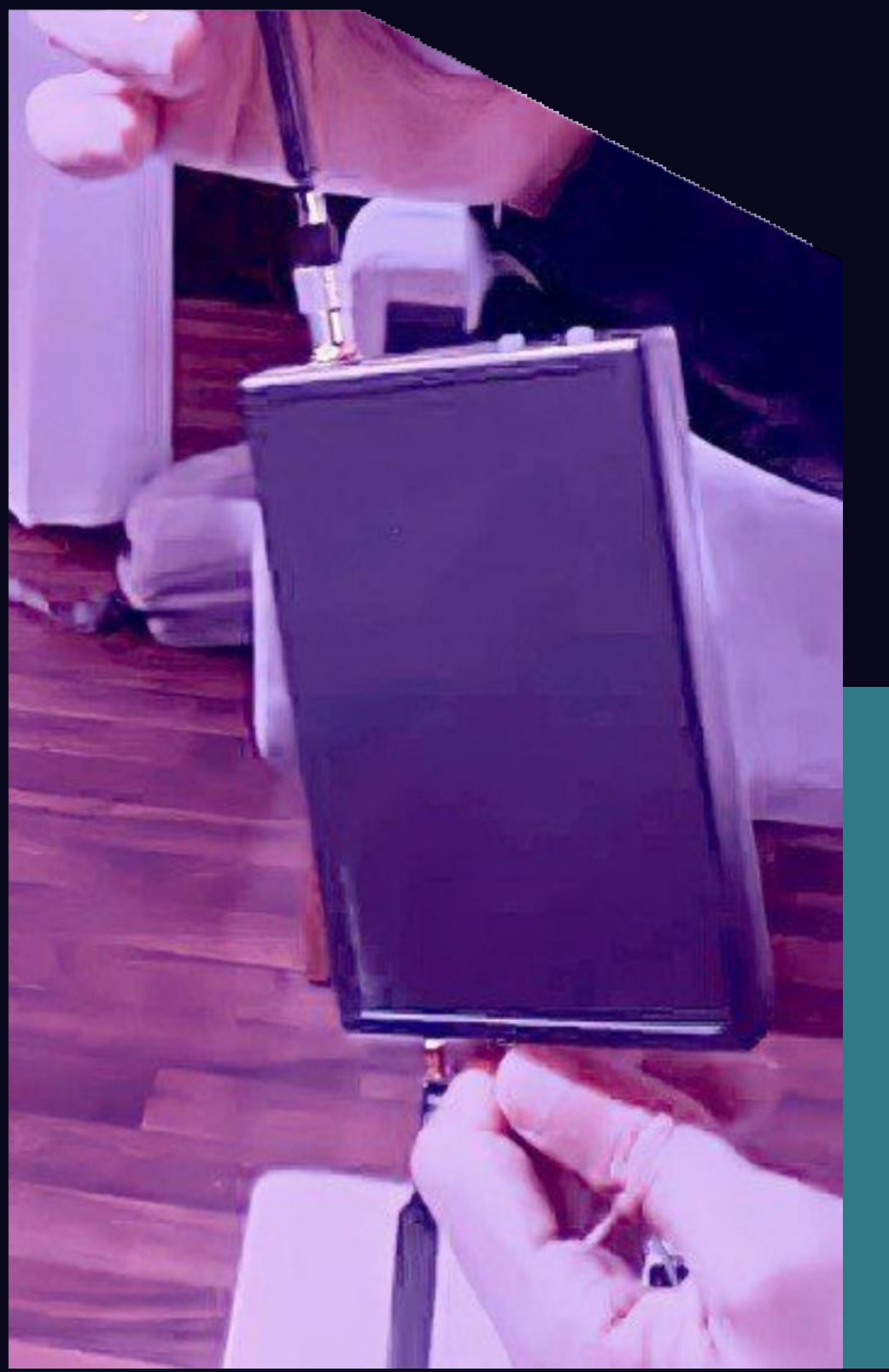
# »»» TECHNOLOGIES USED IN SMART HOMES

IOT

AI

Encryption

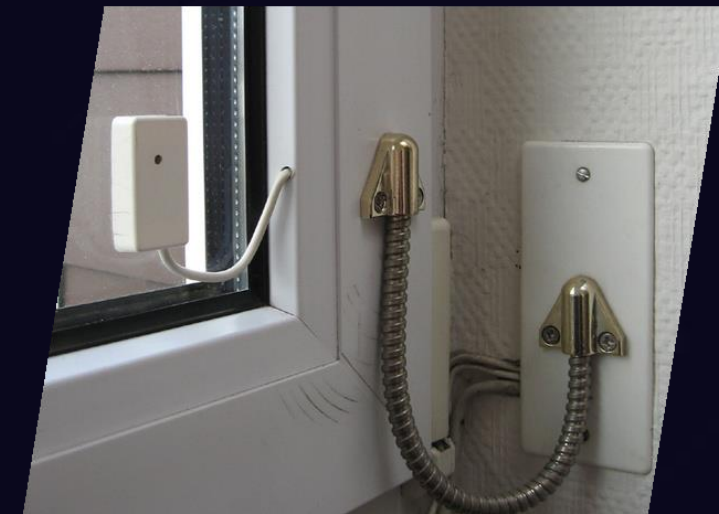




# TOOLS USED TO HACK SMART HOME SYSTEMS



# COMMON COMPONENTS OF SECURITY HOME



# Advantages of Smart Home Security Systems



**Enhanced Security**

**Protection from  
environmental dangers**

**Real-Time  
Monitoring**

**Customizable  
Security**

# Disadvantages



**Internet  
Dependency**



**Hacking**



**Ongoing  
Expenses**



CONCLUSION

# ➤ POP QUIZ TIME ◀



# REFERENCES



- [1] J. Chen, "Smart Home," Investopedia, Sep. 14, 2022. <https://www.investopedia.com/terms/s/smart-home.asp#:~:text=A%20smart%20home%20allows%20homeowners>
- [2] S. Zarringhalam, "Bluetooth-based Home Intrusion Detection Using Smart Home Devices," Defensive Publications Series, Aug. 2023, Accessed: Feb. 29, 2024. [Online]. Available: [https://www.tdcommons.org/dpubs\\_series/6168](https://www.tdcommons.org/dpubs_series/6168)
- [3] "Alarm.com ADC-SWM150 Smart Water Valve and Meter," AlarmSystemStore.com. <https://www.alarmsystemstore.com/products/alarm-com-smart-water-valve-and-meter-adc-swm150>
- [4] T. Perry, "Why Are Smart Homes 'Bad'? 19 Disadvantages To Consider," Feb. 11, 2020. <https://www.smarthomepoint.com/disadvantages/#increased-hacking-threat>
- [5] "Smart Home Security," IoT For All. <https://www.iotforall.com/use-case/home-security#:~:text=What%20is%20IoT%2DEnabled%20Smart>



THANK YOU

