

Lab – Mobile Device Information

Introduction

In this activity, you will use the Internet, a technical journal, or a local store to gather information about an Android and an iOS device. You will document the specifications of each Android and iOS device onto this worksheet. Be prepared to discuss your decisions regarding the devices you select.

Recommended Equipment

- PC with Internet Connection

Instructions

Step 1: Select an Android and iOS device to research. Record the hardware specifications in the boxes below.

| Specifications | Android Device | iOS Device |
|---------------------------|--|---------------------------------------|
| Model | <i>Samsung Galaxy S25 Ultra</i> | <i>Iphone 17 Pro Max</i> |
| Manufacturer | <i>Samsung Electronics Co., Ltd.</i> | <i>Apple Inc.</i> |
| Operating System | <i>Android 15 with One UI 7</i> | <i>IOS 26</i> |
| Available Memory | <i>12 GB + (256 GB / 512 GB / 1 TB)</i> | <i>12 GB (256, 512, 1TB, and 2TB)</i> |
| Camera | <i>200 MP wide (main) 50 MP ultrawide 50 MP periscope telephoto (5× optical zoom) 10 MP telephoto (3× optical zoom) Front (selfie) camera: 12 MP</i> | <i>Triple 48 MP</i> |
| Wi-Fi Connectivity | <i>Wi-Fi Direct and operates on 2.4 GHz, 5 GHz, and 6 GHz bands.</i> | <i>Wifi 7</i> |

| Specifications | Android Device | iOS Device |
|-----------------------------------|--|--|
| Battery Information | <i>5,000 mAh (Li-Ion) Up to 45 W (Super Fast Charging)</i> | <i>5,088 MAH</i> |
| Screen Size and Resolution | <i>6.9 inches 1440 × 3120 pixels</i> | <i>6.9 OLED Display & 2868 x 1320 Resolution</i> |
| Size and Weight | <i>162.8 × 77.6 × 8.2 mm 218 grams</i> | <i>163.4 x 78.0 x 8.75 mm 233 G</i> |

Step 2: Based on your research, which mobile device would you select? Be prepared to discuss your decisions regarding the mobile device you select.

If I had to choose between the Samsung Galaxy S25 Ultra and the iPhone 17 Pro Max, I think I would pick the iPhone 17 Pro Max because of some reasons. Apple usually gives longer software updates and their devices work really good together if you have other Apple products like Mac or iPad. Samsung has really good hardware, like a 200MP camera and different telephoto lenses, but I think the iPhone camera is more consistent and takes better videos most of the time. The iPhone also has brighter screen which is nice when you use it outside and their battery management is good so it lasts long even if the battery is a bit smaller. Samsung phones charge faster and you can customize more because of Android but I prefer the simpler and more stable experience Apple gives. But if someone wants more hardware features or faster charging maybe the Galaxy is better. So overall, I would choose the iPhone because of the software updates, camera quality and how well it works with other Apple devices.

Conclusion

From researching different phones, I learned that it's really important to look closely at all the details before buying one. Phones have a lot of features like camera quality, battery life, software updates, and how they connect with other devices, and not all phones are the same in these areas. Researching will definitely helps you understand what you're actually getting and if it fits your needs. It also shows that some phones might be better for certain people depending on what they care about, like speed, customization, or ecosystem.