

# The Foggy Future of Windows on Mobile Devices

Microsoft Windows 10 IoT Mobile?

Android?

Tizen ?

A.I. ?

Mr. Roboto?

# Windows 10 IoT (Internet of Things) UWP

## What about Windows Embedded?

- Microsoft went through reorganization and a new CEO along with some failures so now...
- Windows CE (compact embedded) is nearing end of life. Last dates that 6.5.3 units can ship is in 2022. That being said... there will be a Microsoft replacement.
- Windows is moving towards what they call UWP (Universal Windows Platform) – Windows 10 IoT and will have 3 flavors.
- Windows 10 IoT Enterprise for PC's etc. ( 7 inch screen or larger)
- Windows 10 IoT Mobile. Like most current hand helds.
- Windows 10 IoT Core. Devices like Xbox, and other smart devices.
- They will all have the same kernel to make cross platform development easier.

# Android OS

- AOSP (Android Open Source Project)
  - as the name implies, it is an Open Source OS so it can have a future.
  - It is backed mostly by Google and other phone manufacturers.
- GMS (Google Mobility Services) is what Google pushes with it so they can to do direct marketing to the end user. Hear all – see all.
  - Google pushes AOSP and GMS together so it is the main backer for pushing Android forward. So what happens if they start requiring GMS as part of Android or just leave AOSP behind and move to something else?
  - Many believe that there is enough Industry wide interest in the ASOP to keep it moving forward regardless of what direction Google may go.

# Tizen OS

- Tizen is also Open Source and mostly backed by Intel and Samsung
- The Open Source nature makes it somewhat viable but it hasn't taken off.

# Where Does That Leave Us?

- Well no matter how you slice it and dice it, eventually your programs will need to be rewritten for whatever device OS will be in play at the time. The old code will not work even on the new windows because of API differences.
- The enterprises that will guide it are the retailers like the Walmart's, Kohl's, Target's and Home Depot's; medical facilities; delivery companies; other supply chain companies etc.
- Large hand held vendors like Zebra Technologies (purchased Symbol Technologies) and others that provide point of sale devices will drive the market.

# Where does that leave us?

- Android vs the Windows 10 IoT reboot?
- Some manufacturers are currently migrating to Android because of the Microsoft stumbles. As the title implies, the near future is foggy but the weather should clear up a bit before we reach the destination.