

What is Hotswap?

WHY (Reason to build this technology)

It will spend much time when your electronic device needs to replace the battery. For example, the waiting time to turn on device and the waiting time to restart applications. This is a serious problem because time is money, users may not have time to waste, especially when their task is time-based or urgent. Therefore how to reduce the restarting time and keep the job continuously is an important issue for unitech.

HOW (Concept of Technology)

By doing unitech's hotswap technology, the waiting time can be decreased significantly and users can restart their work quickly. When switching battery for traditional android device, it will restart the whole device and cause long restarting time and reopen time for applications. However, hotswap technology can offer another option for users, called battery swap. This solution is to temporary pause the ongoing applications in the device, not restarting the whole device. This solution is similar as changing hard-drive of server while keeping other features functional. Therefore users can instantly open applications that were paused without restarting time after they press the power button. This can achieve the goal of work effectively and continuously.

WHAT (Case study benefits)

Model	Hotswap	Restart time
PA700	NO	24.4 secs
PA720	YES	0.8 secs

As you can see above, PA700 didn't acquire hotswap technology so that it takes 24.4 seconds to restart after switching the battery. In contrast, PA720 acquires the hotswap technology, it only takes 0.8 seconds to turn on. In sum, this technology can reduce waiting time significantly to turn on device and improve work efficiency.

<https://youtu.be/ERPNaDKYKDc>

