



Smart Watches

They can be even better!



Motivations for doing smartwatches

- Smart watches provide efficiency - reply to calls and text instantly
- Fitness tracker - better improve fitness
- Basically a smartphone on your wrist
- They are cool!



My objective is to improve them!

- Battery life
 - Improve battery (better battery technology)
- User interface
 - interfaces are hard to navigate (techniques for better UI)
- Cost
 - Prices for a good smart watch is high
- Size/weight
- Functionality
 - Notifications, apps, fitness tracker
- Comfort/Style
 - uncomfortable and unstylish



Apple: 18 hours Samsung: 3 days
*varying on model *varying on model



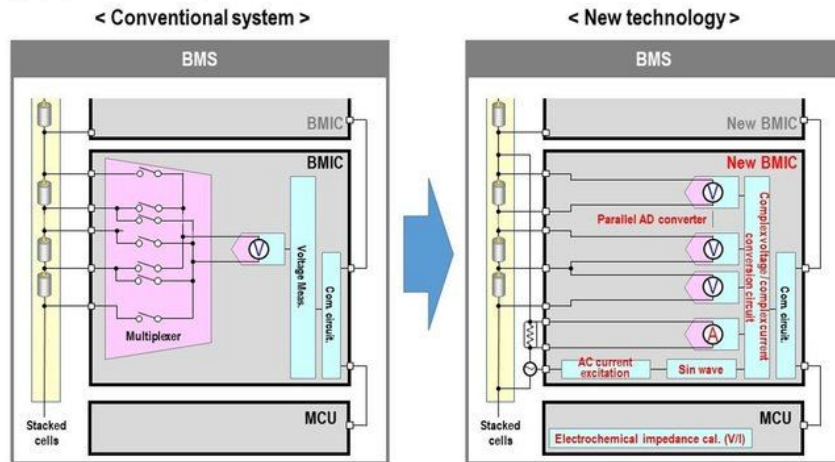
Apple Samsung

\$199 - \$699
*varying on model

Battery Life

Better battery management technology
(Panasonic battery management system)

[Fig.1] Schematic diagram of BMS and BMIC



The new technology can be installed simply by replacing the BMIC

User Interface

Design for the user, simple, predictive,
presentation. (Increase Speed, Direct, Apps,
Glances and notifications)

Watch UI Design

Smart watches are became very popular & highly
usable now a days coming with cool features &
attractive design.



This watch is having
Voice recognition
feature as well as other cool features.

Comfort/Style

Use comfortable and light materials, weight, and size



Leather

Cost

Smartwatch with less features, use cheaper materials, and cheaper technology



Trade offs for different smartwatches

Price: \$26.80

Pros: Long battery life about 20 days, low cost

Cons: Black and white, bad UI, minimal functionality



Price: \$199

Pros: Color, Many functionality, great UI

Cons: Short battery Life about 18 hours, high cost



Trading
COST for a
better smart
watch

The perfect Smart Watch

1. A smartwatch that can last a week **without charge,**
2. a **user interface that's clean** and **easy to navigate,**
3. that's **comfortable & stylish**
4. While being **affordable**

References

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