

Samsung "Galaxy Gear" smartwatch

Samsung could beat Apple to market with the *Galaxy Gear* smartwatch, expected to debut at the IFA technology fair in Berlin on September 4. Clues to how it may look can be found in recently filed patent diagrams

PATENTED DESIGN

Display: Samsung has been developing flexible AMOLED screens for three years

Dec 2010: Acquires Liquavista – company with expertise in manufacturing flexible displays

EXPECTED FEATURES

- Make and receive phone calls, possibly by syncing to smartphone
- Internet connection has ability to send and receive emails and access social media
- GPS access will supply map information

ECG sensor:

Patent shows nodes in strap which could be pulse rate sensor

Battery:

Will need to be flexible

Scientists are working on new technology, such as expandable lithium-ion batteries that can stretch up to 300% of original size

Back key

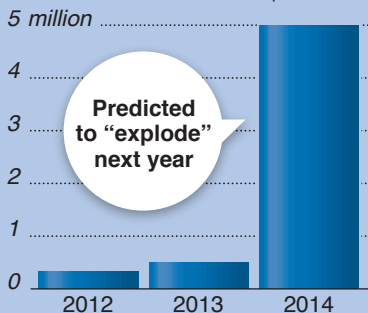
Menu key

Power/reset/
lock key

Stainless steel
wristband

Microphone

SMARTWATCH MARKET (units sold)



Speaker

Micro
USB
port