IEEE Consumer Electronics Society

Wearables, IoT and Smart Connected Things

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Wearables & IoT Companies

# of companies/categories
89 – Health & Wellness
62 – Fitness & Technology
66 – Smart Home
11 – Sports Tech
6 – Kids & Technology
13 – Wearables

Product keyword search (LVCC & Sands):
Wearables - 669 companies (all exhibits)
Smart Home – 817 companies
Sensors – 453 companies
Fitness & Sports – 429 companies

Tech West at Sands
Fashion Wearables - MISFIT / Swarovski

MISFIT

MISFIT with Swarovski Crystal

Solar charging design by Swarovski
Wearables for Health

**TEMPTraq Intelligent thermometer**
- [www.temptraq.com](http://www.temptraq.com)
  - No pricing, waiting for FDA approval
  - 24 hrs continuous tracking and alert of temperature
  - Bluetooth Smart
  - Smartphone App

**Vigilant Bee Smart Diabetes Tracker**
- [www.usvigilant.com/bee](http://www.usvigilant.com/bee)
  - $69
  - Logs the amount of insulin unit & blood sugar level
  - Bluetooth Smart connection to send data via smartphone or tablet

**Bellabeat**
- [www.bellabeat.com/shell](http://www.bellabeat.com/shell)
  - $119
  - Listen to baby’s heartbeat
  - Track baby’s movement
  - Play sound/music to baby while in the womb
  - Baby monitor
  - Track air temp/humidity

**OKU Skin Sensor**
- [www.getoku.com](http://www.getoku.com)
  - $299
  - Use light to see underneath of the skin
  - Alert skin conditions
  - Recommend diet and other daily actions
Wearable GPS Tracker for Kids & Pets

hereO Kids Tracker
www.hereofamily.com
- $179 pre-order
- Battery lasts up to 60 hrs
- Build-in SIM that works in 120 countries
- Supports GSM/GPS/WiFi
- Place notification
- Panic alert
- Temper alert
- Raised $215k from Indiegogo with goal of $100k

Paxie™ Kids Tracker by www.oursafefamily.com
- $175 pre-order
- Location via GPS
- Location tagging
- Boundary setting
- Activity tracking
- Heart rate
- Band removal alert

Weenect Kid & Pet Trackers
www.weenect.com
- ~ €129 - €149
- Real-time tracking
- Geofence, In & Out
- SOS button w/voice
- Water-resistant
Wearable for Sports & Fitness

Lechal Smart insole
www.lechal.com

Sensor module
- Activity Tracking
- Haptics feedback
- Water resistant
- Anti-bacterial

Battery

Mobile App

Sensoria Wearable Sensors
www.sensoria.com

Sensoria Fitness Bra or T-Shirt
- Antimicrobial
- Moisture evaporation
- Machine Washable
- Works with popular HRM (e.g. Polar H7 or Garmin Premium)

Sensoria Socks
- Textile sensors
- Conductive fiber
- Magnetic attachment
- 3-axis accelerometer
- Bluetooth Smart
- 6 hrs battery
Wearable/Carryable for the Last Mile

Acton Rocket Skates
www.rocketskates.com
• starting at $499
• 6 – 10 miles range
• 12 mph max.

Boosted Boards
www.boostboards.com
• $999 - $1499
• 6 – 7 miles range
• 18 – 22 mph
• 15 – 25% hill gradient

Handheld remote control for Boosted board
IoT & Smart Connected Things (1)

www.witricity.com

- Laptop powered by Witricity charger mounted under the table
- Extender plates
- Witricity Wireless charging pad via electron magnetic resonance
IoT & Smart Connected Things (2)

goTenna for wireless messaging
www.gotenna.com
- $149.99 for a pair
- 2-watt radio VHF radio waves (151-154 MHz)
- Works up to 6 miles
- 24+ hours rechargeable Lithium-polymer battery for continuous use
- BluetoothLE data interface
- Water-resistant

Edyn – smart garden system
www.edyn.com
- Moisture/nutrition sensing ($99.99) and valve control ($59.99)
- Solar powered
- Supports WiFi
Smart Devices

Dual display smartphone. E-Ink touch screen on the back.

www.yotaphone.com

Smart Mug
- Color touch display
- Smart sensing
- Wireless charging
- Supports WiFi

Bluetooth tracker w/remote shutter for taking selfie

Click Button
3D Printing Companies

57 companies in 3D printing
Voxel8 - 3D Electronics Printer

Pre-order for $8,999
www.voxel8.co

• co-print matrix materials such as thermoplastics and highly conductive silver inks
3D Systems – 3D Printer for Food

ChefJet Pro: ~$20,000
ChefJet: TBD

www.3dsystems.com/es/chefjet
• prints in a variety of edibles, including sugar, chocolate or candy
• ChefJet Pro supports a build volume of 10x14x8”

Drums, guitar, keyboard are made by 3d-printers from 3D Systems

ProJet® 3D Printers
www.3dsystems.com/
Voltera Circuit Board Printer

www.voleterainc.com
Starting at $1,199 on Kickstarter

• Prints 2-layer PCB on FR4 with 8mil space/trace with silver conductive ink
Thank You