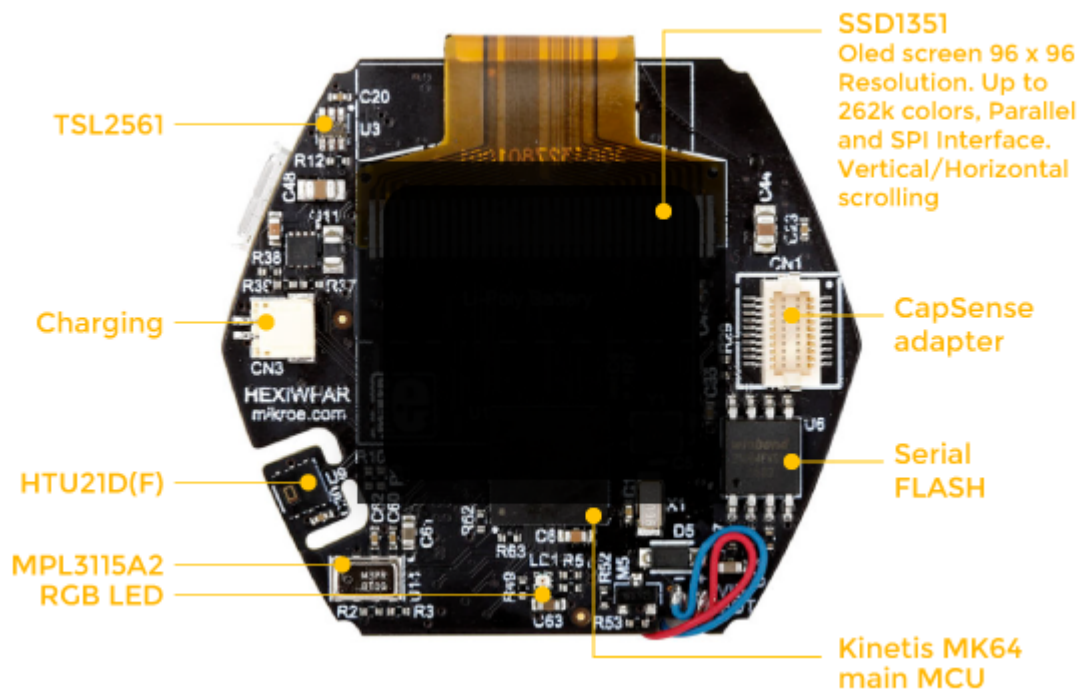


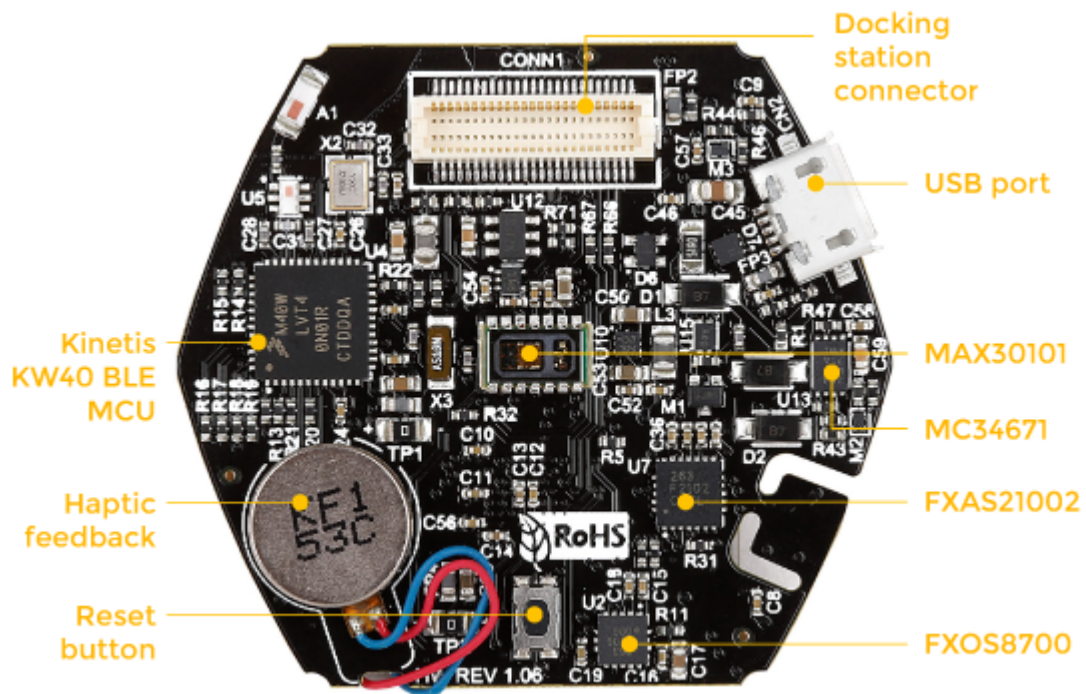
HARDWARE SPECS

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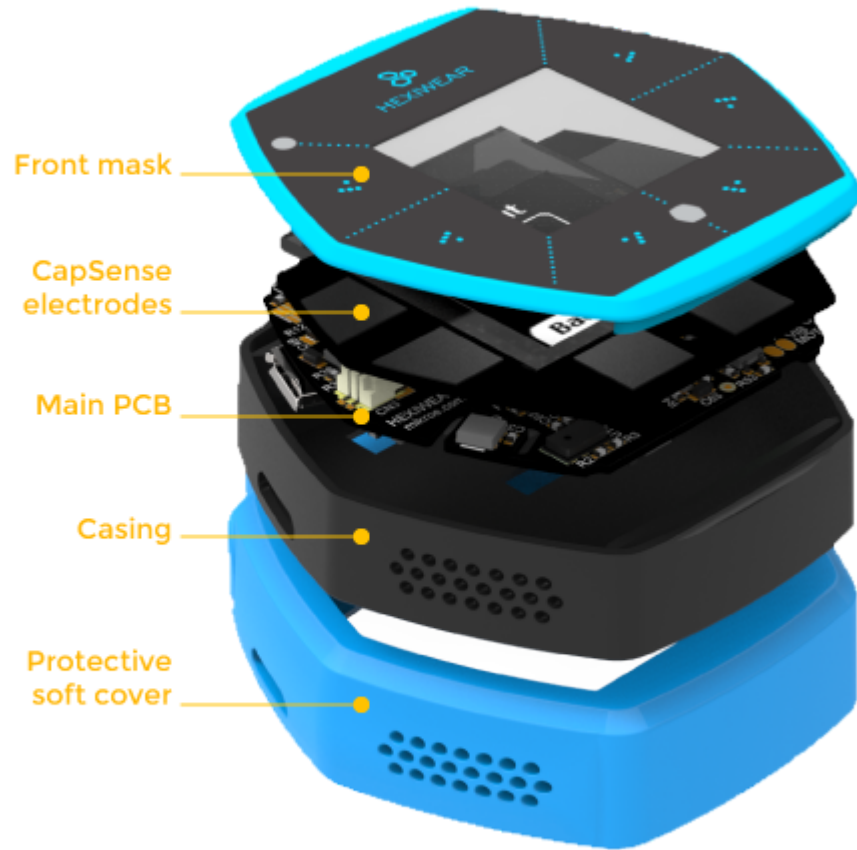
By partnering with NXP, one of the leading producers of microcontrollers and sensors, we were able to create a top performing product at a low overall cost.



(<http://www.hexiwear.com/wp-content/uploads/2014/10/30-hexiwear-front-pcb-withouth-display.jpg?x11705>)



(<http://www.hexiwear.com/wp-content/uploads/2016/06/hexiwear-back-pcb.jpg?x11705>)

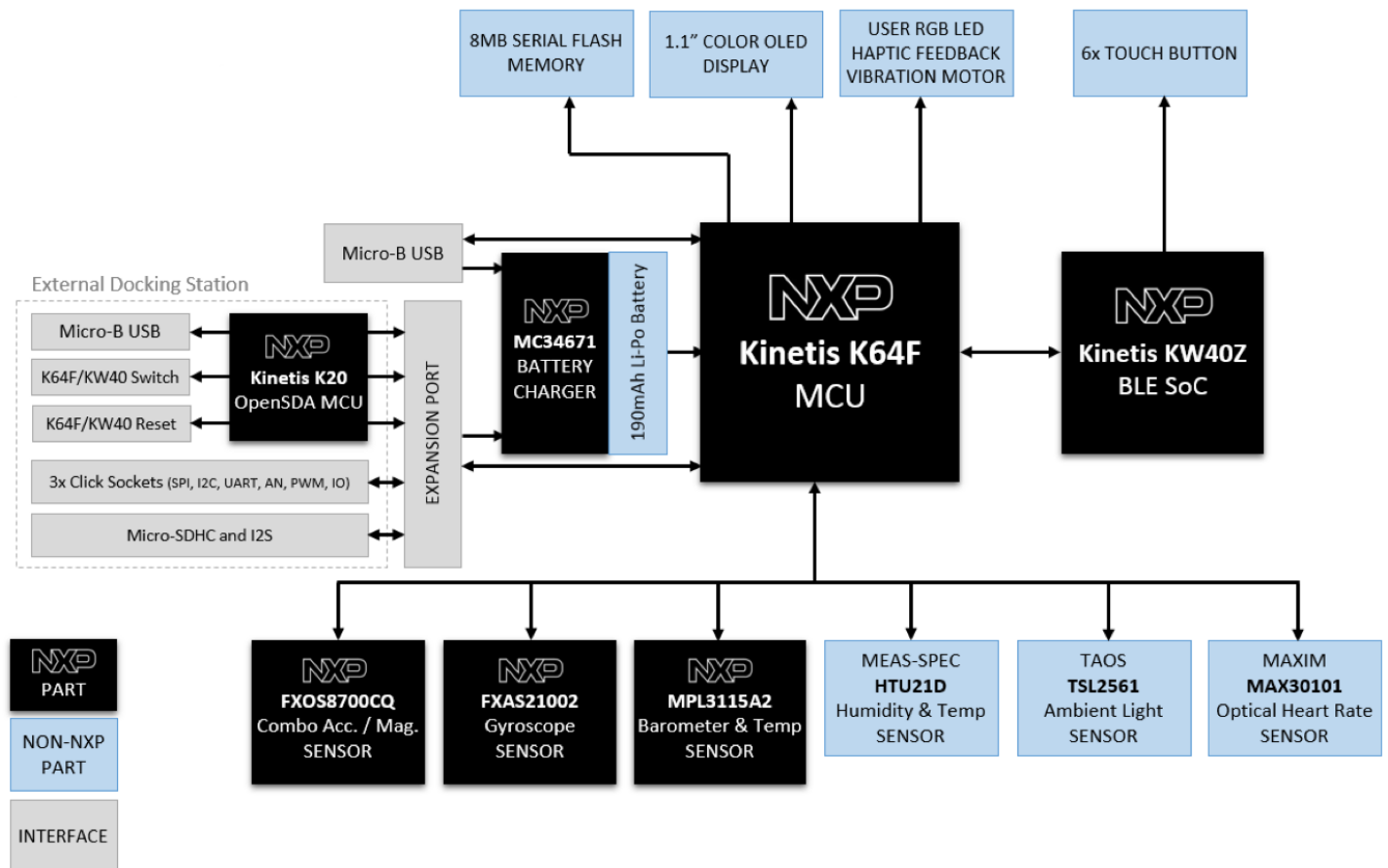


- ▶ MCU: NXP Kinetis K64x (http://www.nxp.com/products/microcontrollers-and-processors/arm-processors/kinetis-cortex-m-mcus/k-series/k6x-ethernet-mcus/kinetis-k64-120-mhz-ethernet-usb-256kb-sram-mcus:K64_120?fsrch=1&sr=2&pageNum=1) MCU (ARM® Cortex®-M4, 120 MHz, 1M Flash, 256K SRAM)
- ▶ BLE: NXP Kinetis KW4x (<http://www.nxp.com/products/microcontrollers-and-processors/arm-processors/kinetis-cortex-m-mcus/w-series/kinetis-bluetooth-low-energy-802.15.4-wireless-mcu:KW40Z>) (ARM® Cortex®-M0+, Bluetooth Low Energy & 802.15.4 Wireless MCU)
- ▶ 3D Accelerometer and 3D Magnetometer: NXP FXOS8700CQ (<http://www.nxp.com/products/sensors/6-axis-sensors/digital-sensor-3d-accelerometer-2g-4g-8g-plus-3d-magnetometer:FXOS8700CQ?fsrch=1&sr=1&pageNum=1>)
- ▶ 3-Axis Digital Gyroscope: NXP FXAS21002 (http://www.nxp.com/products/sensors/gyroscopes/3-axis-digital-gyroscope:FXAS21002C?lang_cd=en)
- ▶ Absolute Digital Pressure sensor: NXP MPL3115A2R1 (<http://www.nxp.com/products/sensors/pressure-sensors/barometric-pressure-15-to-115-kpa/20-to-110kpa-absolute-digital-pressure-sensor:MPL3115A2?>)

lang_cd=en)

- ▶ 600 mA Single-cell Li-Ion/Li-Polymer Battery Charger: NXP MC34671 (http://www.nxp.com/products/power-management/battery-management/battery-chargers/600-ma-single-cell-li-ion-li-polymer-battery-charger:MC34671?lang_cd=en)
- ▶ Light-to-digital converter, Digital humidity and temperature sensor, Heart-rate sensor
- ▶ 1.1" full color OLED display
- ▶ Haptic feedback engine
- ▶ 190 mAh 2C Li-Po battery
- ▶ Capacitive touch interface
- ▶ RGB LED

LEARN MORE: 📖 Manual (<https://learn.mikroe.com/hexiwear-user-manual/>) | 📐 Schematic (http://cdn-docs.mikroe.com/images/c/c0/Sch_Hexiwear_MainBoard_v106c.pdf)





(<http://www.nxp.com/products/software-and-tools/reference-designs-and-development-kits/nxp-designs/hexiwear-complete-iot-development-solution:HEXIWEAR>)

 **Restart (/getting-started)**

Restart

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