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| --- | --- | --- | --- | --- | --- |
| Item | Tech | Price | Requirement | Function | Link |
| Fengke MTK2502 platform | GSM, WIFI, BLE, HR sensor, Sport sensor, colour display, GPS | CNY 1799 | Only have early testing and development sample need some time for production | SMS, phone call, network connection, Bluetooth connection, HR sports data measurement, GPS | <https://item.taobao.com/item.htm?id=543574804769&_u=t2dmg8j26111> |
| Fengke MTK6260 platform | GSM, display, GPS | CNY 879 | Ready for production but need add HR sensor (already have the electrical diagram) | SMS, phone call, network connection, HR data measurement (need be done later), GPS | <https://market.m.taobao.com/app/dinamic/h5-tb-detail/index.html?spm=a2141.7631565.0.0&id=543601861777> |
| Fengke  Open source Bluetooth hand band | BLE, HR sensor, Sport sensor, display | CNY 599 | Only have BLE, need use BT connect to other device sending data to data base | Bluetooth connection, HR sports data measurement, GPS | <https://item.taobao.com/item.htm?spm=a1z10.3-c-s.w4002-15347915317.9.60ce6b1eL3iSMI&id=572145759735> |

Network server

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| Item | Tech | Price | Problem | Function | Link |
| Rent a server | 1 Core, Ram 2G, 50G+1TB, 2Mbps (Public IP) | CNY 7146 (3 year-50% off already) | delay, performance, expand | Data base, Data analysis, Visionary, Data transmission | <https://buy.cloud.tencent.com> |
| Build a local server | i5-8400, Ram 8G, 120G SSD 1T HDD | CNY 3625 | Need extra cost in network |  | <http://www.jd.com> |

Local server

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| Item | Price |
| Golden field A2B case | CNY 99.9 |
| Seagate 1TB 7200RPM HDD | CNY 329 |
| SAMSUNG 860EVO 240GB SSD | CNY 329 |
| Antec VP450P 450W PSU | CNY 259 |
| Intel Core i5 8400 + Kingstone 8G 2666Mhz memory + ASUS B360M-A board kit | CNY 2499 |
|  | Total cost: CNY 3624.9 |

Network for wearable device data transport

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| Technology | Data Transport Rate | Range | Frequency | Standard | Power Consumption |
| Wi-Fi/Internet | 1-600M | 50-300 m | 2.4 GHz | IEEE 802.11 | 36mW |
| ZigBee/Internet | 250K | 5-100 m | 2.4 GHz | IEEE 802.15.4 | 1mW |
| Bluetooth/Internet | 1M | 10 m | 2.4 GHz | Bluetooth v4.0 | 2.5mW |
| RFID/Internet | 1.2K-19.2K | 50-100m | 315 M / 433 M | VES-P | 5mW |