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| --- | --- | --- | --- | --- | --- | --- |
| System Integration | | | |  |  |  |
| Group |  |  |  |  |  |  |
| **From wearable device to remote computing system：Wireless Networking** | | | | | |  |
| Technology | Rate | Range | Frequency | Standard | Cost/Consumptiom | Link（description) |
| WiFi/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* |  |

Finally, the choice is the ZigBee Tech to apply to the networking between devices and the central system for its low energy consumption considering the battery of the device while the data transport rate and range is enough for the environment.