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|  | **Wi-Fi** | **Bluetooth** | **ZigBee** |
| *Standard* | IEEE 802.11n | IEEE 802.11.1 | IEEE 802.15.4 |
| *Network Type* | Point to Multi-Point | Point to Multi-Point | Point to Multi-Point or Point to Point (Mesh) |
| *Nodes per Network* | 30 | 8 | 255 |
| *Frequency Band* | 2.4 GHz or 5 GHz | 2.4 GHz | 900 MHz or 2.4 GHz |
| *Data Rate* | Over 300 Mbps | 1-3 Mbps | 250 Kbps |
| *Indoor Range* | 30-50 Meters | 2-10 Meters | 10-30 Meters |
| *Battery Consumption* | High | Low | Ultra-Low |
| *Battery Life* | 0.1 – 5 Days | 1 – 7 Days | 100 – 1000+ Days |
| *Security* | Great:  Wi-Fi Protected Access (WPA):  128-bit Temporal Key Integrity Protocol (TKIP) encryption | Poor:  4-digit pin needed for pairing | Moderate:  128-bit symmetric encryption keys |
| *Typical Use* | Video Streaming, Computer to Computer connection, Large Data transfer | Audio Streaming,  Computer to peripherals connection, Small to Medium Data transfer | Sensor Data,  Coordinator to Endpoint connection, Small Data transfer |