



THE INDUSTRIAL WIFI SHOP

IloT Wireless Protocol Quick Reference

<u>Protocol</u>	<u>Base Standard</u>	<u>Frequency</u>	<u>Range</u>	<u>Data Rates</u>	<u>IloT Applications</u>
6LoWPAN	802.15.4	902-928 Mhz (N. America) 2.4 GHz (worldwide)	75 meters	250 kbps	Industrial Monitoring Sensors Smart Meters
Bluetooth LE	802.15.4	2.4 GHz	150 meters	1 Mbps	Medical Sensors Industrial Monitoring Sensors
LoRaWAN	LoRaWAN open standard	902-928 MHz (N. America) 863-870 MHz (Europe)	15 – 20 kilometers	50kbps	Industrial Monitoring Sensors Environmental Sensors
WirelessHART	802.15.4	2.4 GHz	225 meters	250 kbps	Industrial Monitoring Sensors Various Controls Integrations
ZigBee	802.15.4	2.4 GHz (worldwide)	75 meters	250 kbps	HVAC/Building Automation Industrial Monitoring Sensors Automated Lighting
Z-Wave	802.15.4	908.4 MHz, 915-916 MHz (US) 868MHz RFID (EUR)	100 meters	100 kbps	HVAC/Building Automation Automated Lighting
WiFi-ah (HaLow)	802.11	902-928 MHz	1 kilometer	40 Mbps	HVAC/Building Automation Industrial Monitoring Sensors Environmental Sensors