Name	IO-Link Wireless	WISA (WSAN-FA)	Industrial Bluetooth	WIA-FA	Echoring
International standard	under development	Proprietary (WSAN-FA: none)	Proprietary	IEC 62948 (2017)	Proprietary
Organization	IO-Link Community	ABB (later PNO)	Phoenix Contact	Shenyang Institute of Automation (SIA)	R3coms
Physical layer based on	IEEE 802.15.1 (2005)	IEEE 802.15.1 (2005)	IEEE 802.15.1 (2005)	Wi-Fi	typ. Wi-Fi
Nominal channel bandwidth	1 MHz	1 MHz	1 MHz	typ. 20 MHz	20 MHz or 40 MHz
Coexistence to Wi-Fi	very good	good	very good	moderate	moderate
Topology	Star	Star	Star	Star	flexible
Product availability	under development	discontinued (none)	available	only in China (Verhappen, 2016)	Evaluation kit