

RadioLinx[®] Comparison Chart

Industrial Broadband

Industrial Broadband & Industrial Frequency Hopping

Product	RLXIB-IHW	RLXIB-IHA	RLXIB-IHG	RLXIB-IHW-66	RLXIB-IHN	RLXIB-IH2N	RLXIB-IH2N-W
Serial Connection	✓	✓	✓	x	x	x	x
Ethernet Connection	✓	✓	✓	✓	✓	✓	Dual
Wireless Technology	802.11abg	802.11a	802.11g	802.11abg	802.11n		
Functions / Features							
Typical Distance	3km*	9km*	16km*	18km*	3km*	3km*	3km*
Typical Data rate, in Mbps EtherNet/IP packet/second	20Mbps TCP/IP 1,000pps E/IP				90Mbps TCP/IP 4,000pps E/IP		
Output Power	50mW	250mW	250mW	50mW	50mW		
Topology	Master / Repeater/Access point				Master / Repeater		
Security	WPA2-PSK				WPA2-PSK & 802.11i RADIUS		
Ethernet Features							
IGMP / Reliable I/O	✓	✓	✓	✓	✓	✓	✓
Serial Server (Modbus TCP...)	x	x	x	x	x	x	x
Serial Tunneling	✓	✓	✓	x	x	x	x
VLAN Tagging	x	x	x	x	✓	✓	✓
QoS	x	x	x	x	✓	✓	✓
Configuration							
Windows	✓	✓	✓	✓	✓	✓	✓
HTML	✓	✓	✓	✓	✓	✓	✓
OPC	✓	✓	✓	✓	x	x	x
SNMP	v1				v3		
Environmental/Certifications							
Operating Temp	-30/+60°C	-40/+75°C	-40/+75°C	-30/+60°C	-40/+75°C	-40/+75°C	-40/+75°C
IP Rating	IP20	IP20	IP20	IP66	IP20	IP20	IP67
FCC/IC	✓				✓		
CE	✓	x	x	✓	✓		
UL/ATEX Hazardous	✓				✓		
Mounting	DIN	DIN	DIN	Mast/Wall	DIN	DIN	Mast/Wall
Applications	<ul style="list-style-type: none"> ❖ Packaging ❖ SCADA ❖ Oil & Gas Drilling & Exploration 	<ul style="list-style-type: none"> ❖ Long-Range SCADA ❖ Oil & Gas 	<ul style="list-style-type: none"> ❖ In-plant Wash-down ❖ SCADA ❖ Oil & Gas Drilling & Exploration 	<ul style="list-style-type: none"> ❖ Packaging ❖ SCADA ❖ Oil & Gas Drilling & Exploration 	<ul style="list-style-type: none"> ❖ Packaging ❖ SCADA ❖ Oil & Gas Drilling & Exploration 	<ul style="list-style-type: none"> ❖ In-plant Wash-down ❖ SCADA ❖ Oil & Gas Drilling & Exploration 	

* Remark – The Typical Distance is based on below scenario :

- Country allowable EIRP
- Antenna gain
- Perfect alignment and clear Fresnel Zone

RadioLinx[®] Comparison Chart

Industrial Frequency Hopping

Industrial Broadband & Industrial Frequency Hopping

Product	RLX-IFH9E	RLX-IFH24E	RLX-IFH9S	RLX-IFH24S
Serial Connection	✓	✓	✓	✓
Ethernet Connection	✓	✓	x	x
Wireless Technology	900MHz FHSS	2.4GHz FHSS	900MHz FHSS	2.4GHz FHSS
Functions / Features				
Typical Distance	48km*	50km*	48km*	50km*
Speed	1.1Mbps	1.1Mbps	230kbps	230kbps
Output Power	1 Watt			
Topology	Master / Repeater			
Security	AES			
Ethernet Features				
IGMP / Reliable I/O	x	x	N/A	N/A
Serial Server (Modbus TCP...)	✓	✓	N/A	N/A
Serial Tunneling	✓	✓	N/A	N/A
VLAN Tagging	x	x	N/A	N/A
QoS	x	x	N/A	N/A
Configuration				
Windows	✓	✓	✓	✓
HTML	✓	✓	✓	✓
OPC	✓	✓	✓	✓
SNMP	v1			
Environmental/Certifications				
Operating Temp	-40/+65°C		-40/+75°C	
IP Rating	IP20			
FCC/IC	✓			
CE	N/A	✓	N/A	✓
UL/ATEX Hazardous	✓			
Mounting	DIN	DIN	DIN	DIN
Applications	Long-Range SCADA Water & Water Water Oil & Gas			



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* The Typical Distance is dependent on:
 Maximum EIRP allowable by local regulation
 The gain of the selected antennas
 Perfect alignment of antenna, clear line-of-sight and clear Fresnel Zone