

Fig.	Description	Frequency (MHz)	Digi- Key Part No.	1	25	100	Antenna Factor Part No.
1	Permanent Mount 1/4 Wave Whip	418	ANT-418-PW-QW-ND◆	6.83	6.24	5.07	ANT-418-PW-QW
		433	ANT-433-PW-QW-ND◆	6.70	6.13	4.97	ANT-433-PW-QW
		868	ANT-868-PW-QW-ND◆	6.56	6.00	4.84	ANT-868-PW-QW
		916	ANT-916-PW-QW-ND◆	6.44	5.89	4.79	ANT-916-PW-QW
2	1/2 Wave Whip with RG-178 Cable	868	ANT-868-PML-ND◆	7.61	6.96	5.50	ANT-868-PML
		916	ANT-916-PML-ND◆	7.61	6.96	5.66	ANT-916-PML
3	Reduced Height 1/4 Wave Whip	315	ANT-315-CW-RH-ND◆	6.32	5.78	4.36	ANT-315-CW-RH
		418	ANT-418-CW-RH-ND◆	6.32	5.78	4.36	ANT-418-CW-RH
		433	ANT-433-CW-RH-ND◆	6.32	5.78	4.36	ANT-433-CW-RH
		916	ANT-916-CW-RH-ND◆	6.32	5.78	4.36	ANT-916-CW-RH
		2.45GHz	ANT-2.4-CW-RH-ND◆	4.74	4.34	3.64	ANT-2.4-CW-RH-RPS
4	RP-SMA 1/4 Wave Whip	418	ANT-418-CW-QW-ND◆	7.88	7.20	5.74	ANT-418-CW-QW
5	RP-SMA Reduced Height 1/4 Wave Whip	433	ANT-433-CW-QW-ND◆	7.70	7.04	5.61	ANT-433-CW-QW
		868	ANT-868-CW-QW-ND◆	7.53	6.88	5.48	ANT-868-CW-QW
		916	ANT-916-CW-QW-ND◆	7.35	6.72	5.36	ANT-916-CW-QW
		315	ANT-315-CW-HD-ND◆	7.61	6.96	5.50	ANT-315-CW-HD
6	1/4 Wave Whip Right Angle	418	ANT-418-CW-HD-ND◆	7.61	6.96	5.50	ANT-418-CW-HD
		433	ANT-433-CW-HD-ND◆	7.61	6.96	5.50	ANT-433-CW-HD
7	1/2 Wave Whip RP-SMA	916	ANT-916-CW-RCL-ND◆	7.04	6.44	5.50	ANT-916-CW-RCL
		2.4GHz	ANT-2.4-CW-RCL-ND◆	7.04	6.44	5.50	ANT-2.4-CW-RCL
8	1/2 Wave Whip RP-SMA	916	ANT-2.4-CW-RCT-RP-ND◆	8.47	7.75	6.50	ANT-2.4-CW-RCT-RP
		2.4GHz	ANT-2.4-CW-RCT-RP-ND◆	8.47	7.75	6.50	ANT-2.4-CW-RCT-RP
9	Permanent Mount Reduced Height 1/4 Wave Whip	315	ANT-315-PW-LP-ND◆	2.03	1.86	1.79	ANT-315-PW-LP
		418	ANT-418-PW-LP-ND◆	2.03	1.86	1.79	ANT-418-PW-LP
		433	ANT-433-PW-LP-ND◆	2.03	1.86	1.79	ANT-433-PW-LP
		916	ANT-916-PW-LP-ND◆	2.03	1.86	1.79	ANT-916-PW-LP
10	Permanent Mount Swivel Angle 1/4 Wave Whip	315	ANT-315-PW-RA-ND◆	3.45	3.11	2.89	ANT-315-PW-RA
		418	ANT-418-PW-RA-ND◆	3.45	3.11	2.89	ANT-418-PW-RA
		433	ANT-433-PW-RA-ND◆	3.45	3.11	2.89	ANT-433-PW-RA
		916	ANT-916-PW-RA-ND◆	3.45	3.11	2.89	ANT-916-PW-RA
11	1/2 Wave Swivel RP-SMA	2.45/5.8GHz	ANT-DB1-RAF-RPS-ND◆	10.28	9.00	7.87	ANT-DB1-RAF-RPS
12	Planar Antenna (SMT)	315	ANT-315-SP-ND◆	2.08	1.82	1.75	ANT-315-SP
		418	ANT-418-SP-ND◆	2.08	1.82	1.75	ANT-418-SP
		433	ANT-433-SP-ND◆	2.08	1.82	1.75	ANT-433-SP
		868	ANT-868-SP-ND◆	2.08	1.82	1.75	ANT-868-SP
		916	ANT-916-SP-ND◆	2.08	1.82	1.75	ANT-916-SP
13	1/4 Wave, JJB Permanent Ultra-Miniature, Straight	868	ANT-868-JJB-ST-ND NEW!	1.72	1.57	1.35	ANT-868-JJB-ST
14	JJB Permanent Ultra-Miniature, Straight	916	ANT-916-JJB-ST-ND◆	1.96	1.72	1.50	ANT-916-JJB-ST
		2.45GHz	ANT-2.4-JJB-ST-ND◆	1.72	1.57	1.50	ANT-2.4-JJB-ST
15	JJB Permanent Ultra-Miniature, Right Angle	868	ANT-868-JJB-RA-ND◆ NEW!	1.72	1.57	1.35	ANT-868-JJB-RA
		916	ANT-916-JJB-RA-ND◆	1.96	1.72	1.50	ANT-916-JJB-RA
		2.45GHz	ANT-2.4-JJB-RA-ND◆	1.72	1.57	1.50	ANT-2.4-JJB-RA
—	Ultra-Compact Chip Antenna	868	ANT-868-CHPCT-ND*◆	4.97	4.55	3.90	ANT-868-CHP
		868	ANT-868-CHPTR-ND†◆	4.97	4.55	3.90	ANT-868-CHP
		916	ANT-916-CHPCT-ND*◆	4.97	4.55	3.90	ANT-916-CHP
		916	ANT-916-CHPTR-ND†◆	4.97	4.55	3.90	ANT-916-CHP

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(Continued)

B

Fig.	Description	Frequency (MHz)	Digi-Key Part No.	1	25	100	Antenna Factor Part No.
16	Ultra-Compact Chip Antenna	2.45GHz	ANT-2.45-CHPCT-ND*	1.51	1.38	1.34	ANT-2.45-CHP
			ANT-2.45-CHPTR-ND*	1710.00/1,500			ANT-2.45-CHP
17	Helical Through-Hole Antenna	418	ANT-315-HETH-ND	.88	.75	.67	ANT-315-HETH
			ANT-418-HETH-ND	.88	.75	.67	ANT-418-HETH
			ANT-433-HETH-ND	.88	.75	.67	ANT-433-HETH
			ANT-916-HETH-ND	.88	.75	.67	ANT-916-HETH
18	Helical SMA Antenna	418	ANT-418-HESM-ND	.88	.75	.67	ANT-418-HESM
			ANT-315-CW-RAH-ND	8.47	7.75	6.20	ANT-315-CW-RAH
19	1/4 Wave Whip Right Angle	418	ANT-418-CW-RAH-ND	8.47	7.75	6.20	ANT-315-CW-RAH
			ANT-433-CW-RAH-ND	8.47	7.75	6.20	ANT-433-CW-RAH
		2.45GHz	ANT-2.4-CW-RAH-RPS-ND	4.88	4.47	3.74	ANT-2.4-CW-RAH-RPS
			ANT-2.4-CW-RAH-SMA-ND NEW!	4.88	4.47	3.83	ANT-2.4-CW-RAH-SMA
20	1/4 Wave Right Angle with SMA	868	ANT-868-CW-HW-ND	8.49	7.76	6.25	ANT-868-CW-HW
			ANT-916-CW-HW-ND	8.49	7.76	6.25	ANT-916-CW-HW
22	1/4 Wave Whip RP-SMA	315	ANT-315-CW-HWR-RPS-ND	9.98	9.12	7.64	ANT-315-CW-HWR-RPS
			ANT-418-CW-HWR-RPS-ND	9.98	9.12	7.64	ANT-418-CW-HWR-RPS
			ANT-433-CW-HWR-RPS-ND	9.98	9.12	7.64	ANT-433-CW-HWR-RPS
	1/2 Wave Whip RP-SMA	868	ANT-868-CW-HWR-RPS-ND	9.98	9.12	7.64	ANT-868-CW-HWR-RPS
			ANT-916-CW-HWR-RPS-ND	9.98	9.12	7.64	ANT-916-CW-HWR-RPS
			ANT-315-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-315-CW-HWR-SMA
	1/4 Wave Whip SMA	418	ANT-418-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-418-CW-HWR-SMA
			ANT-433-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-433-CW-HWR-SMA
			ANT-868-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-868-CW-HWR-SMA
	1/2 Wave Whip SMA	868	ANT-868-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-868-CW-HWR-SMA
			ANT-916-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-916-CW-HWR-SMA
			ANT-916-CW-HWR-SMA-ND	9.98	9.12	7.64	ANT-916-CW-HWR-SMA
23	Permanent Mount 1/4 Wave SMA	868	ANT-868-WRT-SMA-ND	12.22	11.17	10.47	ANT-868-WRT-SMA
			ANT-916-WRT-SMA-ND	12.22	11.17	10.47	ANT-916-WRT-SMA
	2.45GHz	ANT-2.4-WRT-SMA-ND	12.22	11.17	10.47	ANT-2.4-WRT-SMA	
		ANT-868-WRT-RPS-ND	12.22	11.17	10.47	ANT-868-WRT-RPS	
Permanent Mount 1/4 Wave RP-SMA	868	ANT-916-WRT-RPS-ND	12.22	11.17	10.47	ANT-916-WRT-RPS	
		ANT-2.4-WRT-RPS-ND	12.22	11.17	10.47	ANT-2.4-WRT-RPS	
Evaluation Kit for CHP Antenna			AEK-2.45-CHP-ND	18.95	—	—	AEK-2.45-CHP

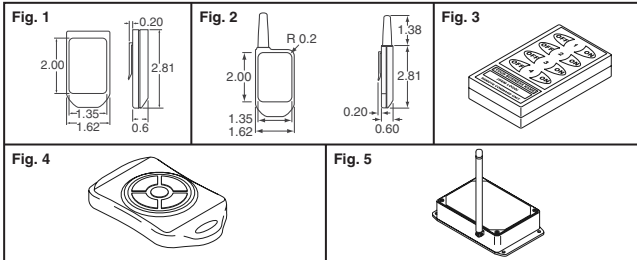
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OEM Modules

FCC Pre-Certified OEM Products



Dimensions in mm



All units below are pre-approved with the FCC to allow immediate integration and sale in most OEM product.

Compact Handheld Transmitter: Compact 8-buttons handheld remote is capable of up to 150 feet transmission range. The keypad and labeling can be modified to meet specific customer requirements. Can create up to 1,024 distinct transmitter-receiver relationships.

Long-Range Handheld Transmitter: Compact 8-buttons handheld remote is capable of up to 300+ feet transmission range. The keypad and labeling can be modified to meet specific customer requirements. Can create up to 1,024 distinct transmitter-receiver relationships. External antenna attached.

Handheld Transmitter: Compact 8-button handheld remote is capable of 100+ feet transmission ranges. The transmission can be decoded using a standard decoder IC, microcontroller or matching Linx function module. Selectable addressing provides security and allows distinct TX/RX relationships.

Keypad Transmitter: This tiny keypad features outstanding range performance and is configured with 1 to 5 buttons for a variety of OEM applications.

1 to 4 Position Relay Function Module: Provides 4 latched relay outputs which are capable of switching external AC or DC powered loads up to 5 amps. Selectable addressing.

Fig.	Description	Freq. (MHz)	Digi-Key Part No.	1	25	100	Linx Part No.
1	Compact Handheld Transmitter	418	CMD-HHCP-418-ND	29.40	26.88	23.52	CMD-HHCP-418
			CMD-HHCP-433-ND	29.40	26.88	23.52	CMD-HHCP-433
		315	CMD-HHCP-315-MD-ND	30.45	27.84	23.49	CMD-HHCP-315-MD
			CMD-HHCP-418-MD-ND	30.45	27.84	23.49	CMD-HHCP-418-MD
			CMD-HHCP-433-MD-ND	30.45	27.84	23.49	CMD-HHCP-433-MD
			OTX-315-HH-CP8-MS-ND	43.16	39.46	36.99	OTX-315-HH-CP8-MS
418	OTX-418-HH-CP8-MS-ND	43.16	39.46	36.99	OTX-418-HH-CP8-MS		
	OTX-433-HH-CP8-MS-ND	43.16	39.46	36.99	OTX-433-HH-CP8-MS		
2	Long-Range Handheld Transmitter	315	CMD-HHLR-315-ND	32.41	29.64	26.49	CMD-HHLR-315
			CMD-HHLR-418-ND	32.41	29.64	26.49	CMD-HHLR-418
			CMD-HHLR-433-ND	32.41	29.64	26.49	CMD-HHLR-433
		418	CMD-HHLR-315-MD-ND	33.46	30.60	25.82	CMD-HHLR-315-MD
			CMD-HHLR-418-MD-ND	33.46	30.60	25.82	CMD-HHLR-418-MD
			CMD-HHLR-433-MD-ND	33.46	30.60	25.82	CMD-HHLR-433-MD
315	OTX-315-HH-LR8-MS-ND	45.33	41.44	38.85	OTX-315-HH-LR8-MS		
	OTX-418-HH-LR8-MS-ND	45.33	41.44	38.85	OTX-418-HH-LR8-MS		
	OTX-433-HH-LR8-MS-ND	45.33	41.44	38.85	OTX-433-HH-LR8-MS		
3	Handheld Transmitter	315	CMD-HHTX-315-ND	32.03	29.28	25.08	CMD-HHTX-315
			CMD-HHTX-418-ND	32.03	29.28	25.08	CMD-HHTX-418
			CMD-HHTX-433-ND	32.03	29.28	25.08	CMD-HHTX-433
4	1 to 5 Button FCC Precertified Keypad Transmitter	315	CMD-KEY5-315-ND	19.60	18.62	17.08	CMD-KEY5-315
			CMD-KEY5-418-ND	19.60	18.62	17.08	CMD-KEY5-418
			CMD-KEY5-433-ND	19.60	18.62	17.08	CMD-KEY5-433
		418	OTX-315-HH-KF5-MS-ND	21.40	20.33	20.07	OTX-315-HH-KF5-MS
			OTX-418-HH-KF5-MS-ND	21.40	20.33	20.07	OTX-418-HH-KF5-MS
			OTX-433-HH-KF5-MS-ND	21.40	20.33	20.07	OTX-433-HH-KF5-MS
5	1 to 4 Position Relay Function Module	315	FCTN-RLY4X-315-ND	59.85	54.72	49.96	FCTN-RLY4-315
			FCTN-RLY4-418-ND	59.85	54.72	49.96	FCTN-RLY4-418
			FCTN-RLY4X-433-ND	59.85	54.72	49.96	FCTN-RLY4-433

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Evaluation Kits and Accessories

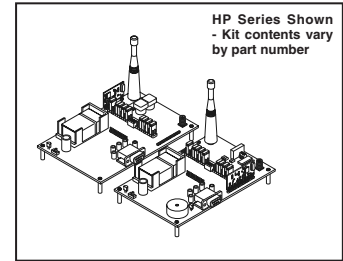
These kits provide the most complete opportunity to evaluate the Linx module series of your choice and then begin the integration of it into your own design.

Basic Evaluation Kit:

This kit is a quick way to evaluate the field performance of Linx products. The kit does not allow for the level of testing and interface possible with Master Kits but provides a cost-effective starting point.

Master Evaluation/Development System Kit:

The kits not only allow evaluation of the module series you have chosen, but also speed the development of your own design via on-board prototyping area and breakout headers.



HP Series Shown - Kit contents vary by part number

Description	MHz	Digi-Key Part No.	Price Each	Linx Part No.
Basic Evaluation Kits				
SC Series	916	EVAL-916-SC-P-ND	199.00	EVAL-916-SC
KH Series	315	EVAL-315-KH-ND	149.00	EVAL-315-KH
	433	EVAL-433-KH-ND	149.00	EVAL-433-KH
KH2 Series	315	EVAL-315-KH2-ND	149.00	EVAL-315-KH2
	418	EVAL-418-KH2-ND	149.00	EVAL-418-KH2
	433	EVAL-433-KH2-ND	149.00	EVAL-433-KH2
ES Series	916	EVAL-916-ES-ND	179.00	EVAL-916-ES
Keypad Series	418	EVAL-418-KEY5-ND	119.00	EVAL-418-KEY5
HHCP Series	418	EVAL-418-HHCP-ND	129.00	EVAL-418-HHCP
HHLR Series	418	EVAL-418-HHLR-ND	129.00	EVAL-418-HHLR
LR Series	315	EVAL-315-LR-ND	139.00	EVAL-315-LR
	418	EVAL-418-LR-ND	139.00	EVAL-418-LR
	433	EVAL-433-LR-ND	139.00	EVAL-433-LR-S
LT Series	315	EVAL-315-LT-ND	149.00	EVAL-315-LT
	418	EVAL-418-LT-ND	149.00	EVAL-418-LT
	433	EVAL-433-LT-ND	149.00	EVAL-433-LT
LC Series	315	EVAL-315-LC-ND	139.00	EVAL-315-LC
	418	EVAL-418-LC-ND	139.00	EVAL-418-LC
	433	EVAL-433-LC-ND	139.00	EVAL-433-LC
Master Evaluation / Development System Kits				
HP-3 Series	900	MDEV900HP3PPSR23-ND	299.00	MDEV-900-HP3-PPS-RS232
ES Series	916	MDEV-916-ES-ND	299.00	MDEV-916-ES
SC-P Series	916	MDEV-916-SC-P-ND	299.00	MDEV-916-SC-P
SC-S Series	916	MDEV-916-SC-S-ND	299.00	MDEV-916-SC-S
QS Series	—	MDEV-USB-QS-ND	129.00	MDEV-USB-QS
MS Series	315	MDEV-315-HH-KF5-MS-ND	149.95	MDEV-315-HH-KF5-MS
	418	MDEV-418-HH-KF5-MS-ND	149.95	MDEV-418-HH-KF5-MS
	433	MDEV-433-HH-KF5-MS-ND	149.95	MDEV-433-HH-KF5-MS
	315	MDEV-315-HH-CP8-MS-ND	149.95	MDEV-315-HH-CP8-MS
	418	MDEV-418-HH-CP8-MS-ND	149.95	MDEV-418-HH-CP8-MS
	433	MDEV-433-HH-CP8-MS-ND	149.95	MDEV-433-HH-CP8-MS
HS Series	315	MDEV-315-HH-LR8-MS-ND	149.95	MDEV-315-HH-LR8-MS
	418	MDEV-418-HH-LR8-MS-ND	149.95	MDEV-418-HH-LR8-MS
	433	MDEV-433-HH-LR8-MS-ND	149.95	MDEV-433-HH-LR8-MS
	418	MDEV-LICAL-MS-ND	249.00	MDEV-LICAL-MS
	418	MDEV-LICAL-HS-ND	299.00	MDEV-LICAL-HS
Accessories — RoHS Compliant				
CR2032 Coin Battery Holder	—	BATHLD-001-ND	.53	BATHLD-001

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