

RF Spectrum Analyzers

Analyzer Bandwidth (MHz ~ GHz)	Filter Bandwidth Min. ~ Max. (kHz ~ MHz)	Typical Accuracy (dB)	Included Antenna Bandwidth (MHz ~ GHz)	Digi-Key Part No.	Price Each	Kaltman Creations Part No.
10 ~ 4	100 ~ 50	±3	400 ~ 4	774-1000-ND	1475.00	SPECTRAN HF4040
10 ~ 6			400 ~ 6	774-1001-ND	1770.00	SPECTRAN HF4060
1 ~ 6			400 ~ 6	774-1002-ND	3099.99	SPECTRAN HF6060
1 ~ 7			400 ~ 8	774-1003-ND	3895.01	SPECTRAN HF6080

Cable Coiler

The Cable Coiler allows rapid, twist free winding of any type of cable 100 feet plus. Operated off of six "D" batteries, this compact unit can wind cable in just a few seconds, extending the life of the cable and eliminating manual coiling. The Cable Slap Ties provide a simple and fast way to bundle the wire or cable.

Description	Digi-Key Part No.	Price Each	Kaltman Creations Part No.
Cable Coiler, includes 10 Cable Slap Ties	774-1004-ND	159.95	KCC50-5
Cable Slap Ties, Red/Green/Yellow, 7 each (package of 21 pieces)	774-1005-ND	24.95	CST21-RGY
Cable Slap Ties, Blue (package of 21 pieces)	774-1006-ND	24.95	CST21-B

B



Wireless Products

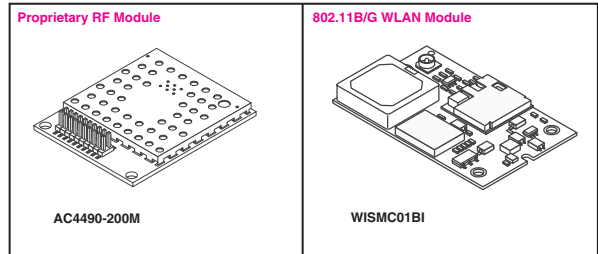
With the addition of the Aerocomm (Proprietary RF) and EZURiO (Bluetooth and WLAN) products, Laird offers a wide variety of wireless systems solutions based on standard and proprietary solutions, either module or stand-alone format. The **Proprietary RF Modules** provide a simple serial interface, multiple antenna options and ranges up to 20 Miles (Line of Sight, 1W output radios).

The **Stand-Alone Radio Modems** provide an embedded module with the included antenna and enclosure with a serial interface (RS-232, DB9 connection).

The **WLAN Modules** provide a serial to 802.11B/G connection, with an AT interface and configurable I/O and ADC.

The **Bluetooth Modules** provide a serial to Bluetooth 2.0 connection, with an AT interface and multiple power output and serial connection options.

Development Kits for the proprietary RF modules include: 2 RF Test boards with power supplies, Cables, Configuration Software and documentation.



Frequency	Power Output Max. (mW)	Antenna Type	Serial Baud Rate Max. (kbps)	Serial Interface	Standard/Modulation	Digi-Key Part No.	Price Each			Laird Technologies Part No.
							1	50	100	
Proprietary RF Modules										
900	200	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4490-200M-ND†	62.50	58.50	54.50	AC4490-200M
						AC4490LR-200M-ND†‡	68.50	64.00	59.51	AC4490LR-200M
						AC4490-200M-485-ND§	63.50	59.50	55.51	AC4490-200M-485
	1000	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4490-1000M-ND†	77.50	73.01	68.51	AC4490-1000M
						AC4490LR-1000M-ND†‡	84.50	79.51	74.50	AC4490LR-1000M
						AC4490-1000M-485-ND§	78.50	74.01	69.50	AC4490-1000M-485
900	200	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4790-200M-ND†	62.50	58.50	54.50	AC4790-200M
						AC4790LR-200M-ND†‡	68.50	64.00	59.51	AC4790LR-200M
						AC4790-200M-485-ND§	63.50	59.50	55.51	AC4790-200M-485
	1000	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4790-1000M-ND†	77.50	73.01	68.51	AC4790-1000M
						AC4790LR-1000M-ND†‡	84.50	79.50	74.50	AC4790LR-1000M
						AC4790-1000M-485-ND§	78.50	74.01	69.50	AC4790-1000M-485
868	5	Connector, MMCX	115.2	3V or 5V TTL	FSK	AC4486-5M-ND†	58.45	55.23	52.00	AC4486-5M
						AC4486-5M-485-ND§	59.45	56.23	53.01	AC4486-5M-485
		Integral	115.2	3V or 5V TTL	FSK	AC4486-5A-ND†	60.35	57.18	54.01	AC4486-5A
						AC4486-5A-485-ND§	61.35	58.04	54.71	AC4486-5A-485
868	250	Connector, MMCX	57.6	3V TTL	FSK	AC4868-250M-ND†	78.65	76.20	73.75	AC4868-250M
						AC4868-250M-485-ND§	79.65	77.20	74.76	AC4868-250M-485
2400	10	Connector, MMCX	192	3V or 5V TTL	FHSS	AC4424-10-ND†	85.00	82.50	80.00	AC4424-10
		Integral				192	3V or 5V TTL	FHSS	AC4424-10A-ND†	87.00
	100	Connector, MMCX	192	3V or 5V TTL	FHSS	AC4424-100-ND†	90.00	87.51	85.00	AC4424-100
	200	Connector, MMCX				192	3V or 5V TTL	FHSS	AC4424-200-ND†	91.00
Stand-Alone Radio Modules										
2400	100	Dipole, RPSMA	288	RS232, DB9 Male	FHSS	CL4424-100-232-ND◆	184.00	179.01	174.01	CL4424-100-232
						CL4424-100-232-SP-ND◆	368.00	358.01	348.01	CL4424-100-232-SP
						CL4424-100-485-ND◆	184.00	179.01	174.01	CL4424-100-485
						CL4424-100-485-SP-ND◆	368.00	358.01	348.01	CL4424-100-485-SP
900	200	Dipole, RPSMA (female)	115.2	RS232, DB9 Female	FHSS	CL4490-200-05-ND	110.00	—	—	CL4490-200-05
900	1000	Dipole, RPSMA (female)	115.2	RS232, DB9 Male	FHSS	CL4490-1000-232-ND	110.00	—	—	CL4490-1000-232
						CL4490-1000-232-SP-ND	225.00	—	—	CL4490-1000-232-SP
						CL4490-1000-485-ND	110.00	—	—	CL4490-1000-485
						CL4490-1000-485-SP-ND	225.00	—	—	CL4490-1000-485-SP
						CL4490-1000-PRO-ND	149.00	—	—	CL4490-1000-PRO
						CL4490-1000-PRO-SP-ND	300.00	—	—	CL4490-1000-PRO-SP
900	200	Dipole, RPSMA (female)	115.2	RS232, DB9 Female	FHSS	CL4790-200-05-ND	110.00	—	—	CL4790-200-05
900	1000	Dipole, RPSMA (female)	115.2	RS232, DB9 Male	FHSS	CL4790-1000-232-ND	110.00	—	—	CL4790-1000-232
						CL4790-1000-232-SP-ND	225.00	—	—	CL4790-1000-232-SP
						CL4790-1000-485-ND	110.00	—	—	CL4790-1000-485
						CL4790-1000-485-SP-ND	225.00	—	—	CL4790-1000-485-SP

◆ RoHS Compliant † Increased Sensitivity for Longer Range ‡ RS232 Serial Interface § RS485 Serial Interface

(Continued)

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Frequency	Power Output Max. (mW)	Antenna Type	Serial Baud Rate Max. (kbps)	Serial Interface	Standard/Modulation	Digi-Key Part No.	Price Each			Laird Technologies Part No.
							1	50	100	
900	1000	Dipole, RPSMA (female)	115.2	RS232, DB9 Female	FHSS	CN4490-1000-232-SP-ND	382.00	—	—	CN4490-1000-232-SP
						CN4490-1000-PRO-SP-ND	421.00	—	—	CN4490-1000-PRO-SP
900	1000	Dipole, RPSMA (female)	115.2	RS232, DB9 Female	FHSS	CN4490-1000-ND	249.00	—	—	CN4490-1000
						CN4490-1000-SP-ND	499.00	—	—	CN4490-1000-SP
900	1000	Dipole, RPSMA (female)	115.2	RS232, DB9 Female	FHSS	CN4790-1000-232-SP-ND	382.00	—	—	CN4790-1000-232-SP
						CN4790-1000-ND	249.00	—	—	CN4790-1000

◆ RoHS Compliant † Increased Sensitivity for Longer Range ‡ RS232 Serial Interface § RS485 Serial Interface

Frequency	Power Output Max. (dBm)	Antenna Type	Serial Baud Rate Max. (kbps)	Serial Interface	Standard/Modulation	Digi-Key Part No.	Price Each			Laird Technologies Part No.
							1	50	100	
EZURiO Bluetooth and WLAN Modules										
2400	+15▲	Ceramic	921.6	UART	802.11B/G	WISMC01BI-ND	110.10	—	—	WISMC01BI
						WISMC03BI-ND	110.10	—	—	WISMC03BI
						WISMC04BI-ND	110.10	—	—	WISMC04BI
2400	+6	Ceramic Connector, u.FL	921.6	RS-232	Bluetooth 2.0	TRBLU23-00200-ND	42.31	—	—	TRBLU23-00200
						TRBLU23-00300-ND	42.31	—	—	TRBLU23-00300
2400	+6	Ceramic	921.6	RS-232	Bluetooth 2.0	BISMS02BI-ND	32.86	—	—	BISMS02BI
						BISMS02BI-NA-ND	32.86	—	—	BISMS02BI-NA
						BHCRS02BI-ND	143.23	—	—	BHCRS02BI
						BRBLU03-010A0-ND	45.22	—	—	BRBLU03-010A0
						BTM402-ND	45.92	—	—	BTM402

▲ At Antenna Connector

Description	Digi-Key Part No.	Price Each	Laird Technologies Part No.
Proprietary RF Module Developer Kits			
AC4490-200M Developer's Kit	SDK-AC4490-200M-ND	199.00	SDK-AC4490-200M
AC4490LR-200M Developer's Kit	SDK-AC4490LR-200M-ND	225.00	SDK-AC4490LR-200M
AC4490-200A Developer's Kit	SDK-AC4490-200A-ND	199.00	SDK-AC4490-200A
AC4490-1000M Developer's Kit	SDK-AC4490-1000M-ND	199.00	SDK-AC4490-1000M
AC4490LR-1000M Developer's Kit	SDK-AC4490LR-1000M-ND	225.00	SDK-AC4490LR-1000M
AC4790-200M Developer's Kit	SDK-AC4790-200M-ND	199.00	SDK-AC4790-200M
AC4790LR-200M Developer's Kit	SDK-AC4790LR-200M-ND	225.00	SDK-AC4790LR-200M
AC4790-200A Developer's Kit	SDK-AC4790-200A-ND	199.00	SDK-AC4790-200A
AC4790-1000M Developer's Kit	SDK-AC4790-1000M-ND	199.00	SDK-AC4790-1000M
AC4790LR-1000M Developer's Kit	SDK-AC4790LR-1000M-ND	225.00	SDK-AC4790LR-1000M
AC4486-5M Developer's Kit	SDK-AC4486-5M-ND	199.00	SDK-AC4486-5M
AC4486-5A Developer's Kit	SDK-AC4486-5A-ND	199.00	SDK-AC4486-5A
AC4868-250M Developer's Kit	SDK-AC4868-250M-ND	199.00	SDK-AC4868-250M
AC4424-10 Developer's Kit	SDK-AC4424-10-ND	199.00	SDK-AC4424-10
AC4424-10A Developer's Kit	SDK-AC4424-10A-ND	199.00	SDK-AC4424-10A
AC4424-100 Developer's Kit	SDK-AC4424-100-ND	199.00	SDK-AC4424-100
AC4424-200 Developer's Kit	SDK-AC4424-200-ND	199.00	SDK-AC4424-200
Bluetooth and WLAN Module Developer Kits			
Development Kit for Bluetooth Module BISM II and USB II	BISDK02BI-02-ND	180.88	BISDK02BI-02
Development Kit for Bluetooth Module BISM II, WISM TCP/IP and USB II	BISDK02BI-03-ND	320.67	BISDK02BI-03
Development Kit for WLAN Module WISM TCP/IP	WISDK01BI-02-ND	296.00	WISDK01BI-02
Accessories			
Samtec 20-pin mating Connector for AC44xx	0700-00012-ND	4.00	0700-00012
Power Supply, 7.5VDC, 1.5A, Switching Regulator, 100 - 240VAC Input	0650-00005-ND	20.00	0650-00005
Antenna, 915MHz, Whip, 1/2 Wave, 7", 2dBi, Right Angle, MMCX Plug	0600-00019-ND	14.00	0600-00019
Antenna, 915MHz, Whip, 1/2 Wave, 7", 2dBi, Right Angle, RPSMA Plug	0600-00024-ND	14.00	0600-00024
Antenna, 915MHz, 1/2 Wave, 7", 2dBi, MMCX Plug	0600-00025-ND	14.00	0600-00025
Antenna, 915MHz, 1/2 Wave, 7", 2dBi, RPSMA	0600-00027-ND	14.00	0600-00027
Antenna, 915MHz, 1/2 Wave, 6", 2.5dBi, Right Angle, RPSMA	0600-00028-ND	14.00	0600-00028
Antenna, 915MHz, 1/2 Wave, 6", 2.5dBi, RPSMA	0600-00029-ND	14.00	0600-00029
Antenna, 915MHz, 1/4 Wave, 3.5", 1dBi, RPSMA	0600-00030-ND	14.00	0600-00030
Cable 5", RPSMA Bulkhead - Right Angle MMCX	1300-00023-ND	13.00	1300-00023
Antenna, 868MHz, 1/2 Wave, 7", 2dBi, Right Angle, MMCX Plug	0600-00020-ND	16.00	0600-00020
Antenna, 2.45GHz, 1/2 Wave, 5", 2dBi, Right Angle, MMCX Plug	0600-00002-ND	13.00	0600-00002
Antenna, 2.45GHz, 1/2 Wave, 5", 2dBi, MMCX Plug	0600-00008-ND	13.00	0600-00008
Antenna, 2.45GHz, 1/2 Wave, 7", 5dBi, Right Angle, RPSMA	0600-00010-ND	14.00	0600-00010
Antenna, 2.45GHz, 1/2 Wave, 7", 5dBi, MMCX Plug	0600-00011-ND	14.00	0600-00011
Antenna, 2.45GHz, 1/2 Wave, 7", 5dBi, Right Angle, MMCX Plug	0600-00012-ND	14.00	0600-00012
Antenna, 2.45GHz, 1/2 Wave, 5", 2dBi, Right Angle, RPSMA	0600-00014-ND	13.00	0600-00014
Antenna, 2.45GHz, Microstrip	2150-00006-ND	9.00	2150-00006
CL4424-100-232 Board Only, No Enclosure	2200-00076-ND	140.00	2200-00076
CL4490-100-232 Board Only, No Enclosure	2200-00122-ND	100.00	2200-00122
Antenna, 2.45GHz, 1/2 Wave, 7", 5dBi, Right Angle, u.FL Plug	0600-00039-ND	10.65	0600-00039
Antenna, 2.45GHz, 1/2 Wave, 5", 2dBi, Right Angle, u.FL Plug	0600-00040-ND	10.65	0600-00040
Surface Mount Adapter for Bluetooth BISM Modules	ACC-004L-ND	66.00	ACC-004
Audio Board with Winbond CODEC	ACC-005L-ND	204.57	ACC-005
Audio Board with OKI Multi Channel CODEC	ACC-007L-ND	234.82	ACC-007
White Nylon Fixing, 3.6mm (package of 1,000)	CWAA-00005-01-ND	170.77	CWAA-00005-01

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