

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.

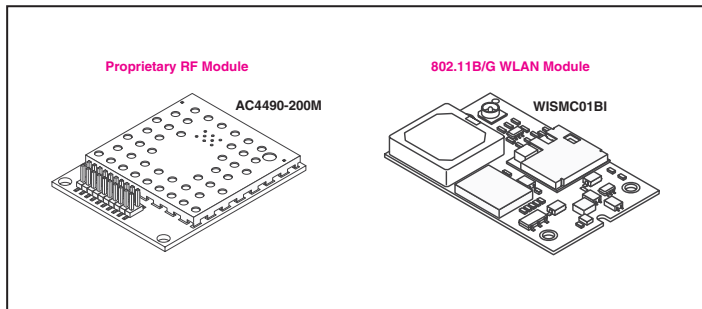
The Proprietary RF Modules provide a simple serial interface, multiple antenna options and ranges up to 20 Miles (Line of Sight, 1W output radios).

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.	1	50	100	Laird Technologies Part No.	
Proprietary RF Modules											
900	200	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4490-200M-ND† AC4490LR-200M-ND†† AC4490-200M-485-ND§	62.50 68.50 63.50	58.50 64.00 59.50	54.50 59.51 55.51	AC4490-200M AC4490LR-200M AC4490-200M-485	
		Integral	115.2	3V or 5V TTL	FHSS	AC4490-200A-ND† AC4490-200A-485-ND§	63.85 64.85	59.85 60.86	55.85 56.86	AC4490-200A AC4490-200A-485	
	1000	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4490-1000M-ND† AC4490LR-1000M-ND†† AC4490-1000M-485-ND§	77.50 84.50 78.50	73.01 79.51 74.01	68.51 74.50 69.50	AC4490-1000M AC4490LR-1000M AC4490-1000M-485	
		Integral	115.2	3V or 5V TTL	FHSS	AC4790-200M-ND† AC4790LR-200M-ND†† AC4790-200M-485-ND§	62.50 68.50 63.50	58.50 64.00 59.50	54.50 59.51 55.51	AC4790-200M AC4790LR-200M AC4790-200M-485	
	900	200	Connector, MMCX	115.2	3V or 5V TTL	FHSS	AC4790-200A-ND† AC4790-200A-485-ND§	63.85 64.85	59.85 60.86	55.85 56.86	AC4790-200A AC4790-200A-485
			Integral	115.2	3V or 5V TTL	FHSS	AC4790-1000M-ND† AC4790LR-1000M-ND†† AC4790-1000M-485-ND§	77.50 84.50 78.50	73.01 79.50 74.01	68.51 74.50 69.50	AC4790-1000M AC4790LR-1000M AC4790-1000M-485
868	5	Connector, MMCX	115.2	3V or 5V TTL	FSK	AC4486-5M-ND† AC4486-5M-485-ND§	58.45 59.45	55.23 56.23	52.00 53.01	AC4486-5M AC4486-5M-485	
		Integral	115.2	3V or 5V TTL	FSK	AC4486-5A-ND† AC4486-5A-485-ND§	60.35 61.35	57.18 58.04	54.01 54.71	AC4486-5A AC4486-5A-485	
868	250	Connector, MMCX	57.6	3V TTL	FSK	AC4868-250M-ND† AC4868-250M-485-ND§	78.65 79.65	76.20 77.20	73.75 74.76	AC4868-250M 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	85.01	83.00	AC4424-10A	
	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	88.50	86.00	AC4424-200	
Stand-Alone Radio Modules											
2400	100	Dipole, RPSMA	288	RS232, DB9 Male RS232, DB9 Male RS485, DB9 Male RS485, DB9 Male	FHSS	CL4424-100-232-ND◆ CL4424-100-232-SP-ND◆ CL4424-100-485-ND◆ CL4424-100-485-SP-ND◆	184.00 368.00 184.00 368.00	179.01 358.01 179.01 358.01	174.01 348.01 174.01 348.01	CL4424-100-232 CL4424-100-232-SP CL4424-100-485 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 RS232, DB9 Male RS485, DB9 Male RS485, DB9 Male RS232, DB9 Male 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 RS232, DB9 Male RS485, DB9 Male RS485, 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	
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	

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

(Continued)

Frequency	Power Output Max. (mW)	Antenna Type	Serial 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-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

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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.
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
	+6		921.6			BISMS02BI-NA-ND	32.86	BISMS02BI-NA
	+6	Integrated Ceramic	250	RS-232, DB9 Female	Bluetooth 1.1	BHCRS02BI-ND	143.23	BHCRS02BI
	+6		3000			Bluetooth 2.0	BRBLU03-010A0-ND	45.22
	+16▲	Ceramic	921.6	RS-232	Bluetooth 2.0	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

More Product Available Online: www.digikey.com