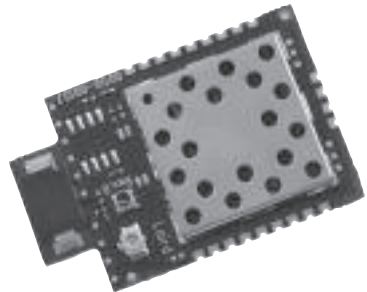


LAIRD TECHNOLOGIES Wireless Modules and Transceivers

FLEXRF® 2.4GHZ WIRELESS MODULE 2.4GHz OEM Transceiver Family

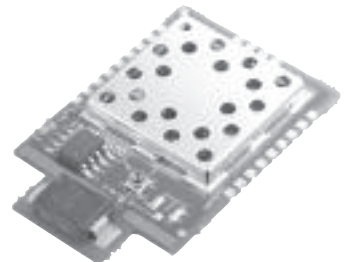
Laird Technologies' fifth generation 2.4GHz FHSS module sets the standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance requirements. Embedded with Laird Technologies' robust server-client protocol, the LT2510 permits an unlimited number of clients to synchronize to a single server for low latency communications. The server and all clients in a network can communicate with any radio in range via either addressed or broadcast packets. The configuration and test software allows OEMs to design and test networks to suit their applications. Enhanced API commands provide packet routing control and network intelligence. With its field-proven FHSS air interface protocol, the LT2510 rejects RF noise, excels in multipath scenarios, allows for co-located systems, and provides an extremely reliable communication link. It also provides a more robust, but simpler, link than ZigBee for RF applications that do not require a mesh topology. With a throughput of up to 250Kb/s in half-duplex mode, LT2510 delivers speedy data rates. In addition, variable output power options (up to +21dBm) enable communication over distances that aren't achievable with competing technologies. At the same time, a range of ultra-low power modes plus low Tx/Rx power consumption make the LT2510 ideal for power-restrictive or battery-operated applications. The mini SMT package is well-suited for space-constrained designs and is available in pick-and-place packaging for volume manufacturing.



MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
LT2510, Industrial Temperature (-40° to 80°C)					
814-PRM110	PRM110	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, u.FL Jack	USA	35.50	33.61
814-PRM111	PRM111	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, Chip Ant	USA	35.50	33.61
814-PRM112	PRM112	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, u.FL Jack, CE Approved	Worldwide	35.50	33.61
814-PRM113	PRM113	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, Chip Ant, CE Approved	Worldwide	35.50	33.61
814-PRM120	PRM120	2.4GHz OEM Transceiver, Pluggable, 3.3V TTL, 100mW, u.FL Jack	USA	37.95	35.96
814-PRM121	PRM121	2.4GHz OEM Transceiver, Pluggable, 3.3V TTL, 100mW, Chip Ant	USA	37.95	35.96
814-PRM122	PRM122	2.4GHz OEM Transceiver, Pluggable, 3.3V TTL, 100mW, u.FL Jack, CE Approved	Worldwide	37.95	35.96
814-PRM123	PRM123	2.4GHz OEM Transceiver, Pluggable, 3.3V TTL, 100mW, Chip Ant, CE Approved	Worldwide	37.95	35.96
LT2510 Developer Kit & Eval Boards, Industrial Temperature (-40° to 80°C)					
814-DVK-PRM110	DVK-PRM110	LT2510 Developer Kit, SMT, 3.3V TTL, 100mW, u.FL Jack	USA	199.00	-
814-EVB-PRM110-U	EVB-PRM110-U	LT2510 USB Eval Board, SMT, 3.3V TTL, 100mW, u.FL Jack	USA	99.00	-
814-EVB-PRM110-R	EVB-PRM110-R	LT2510 RS232 Eval Board, SMT, 3.3V TTL, 100mW, u.FL Jack	USA	99.00	-
814-DVK-PRM111	DVK-PRM111	LT2510 Developer Kit, SMT, 3.3V TTL Serial, 100mW, Chip Ant	USA	199.00	-
814-EVB-PRM111-U	EVB-PRM111-U	LT2510 USB Eval Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant	USA	99.00	-
814-EVB-PRM111-R	EVB-PRM111-R	LT2510 RS232 Eval Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant	USA	99.00	-
814-DVK-PRM112	DVK-PRM112	LT2510 Developer Kit, SMT, 3.3V TTL, 100mW, u.FL Jack, CE Approved	Worldwide	199.00	-
814-EVB-PRM112-U	EVB-PRM112-U	LT2510 USB Eval Board, SMT, 3.3V TTL, 100mW, u.FL Jack, CE Approved	Worldwide	99.00	-
814-EVB-PRM112-R	EVB-PRM112-R	LT2510 RS232 Eval Board, SMT, 3.3V TTL, 100mW, u.FL Jack, CE Approved	Worldwide	99.00	-
814-DVK-PRM113	DVK-PRM113	LT2510 Developer Kit, SMT, 3.3V TTL Serial, 100mW, Chip Ant, CE Approved	Worldwide	199.00	-
814-EVB-PRM113-U	EVB-PRM113-U	LT2510 USB Eval Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant, CE Approved	Worldwide	99.00	-
814-EVB-PRM113-R	EVB-PRM113-R	LT2510 RS232 Eval Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant, CE Approved	Worldwide	99.00	-
814-DVK-PRM120	DVK-PRM120	LT2510 Developer Kit, Pluggable, 3.3V TTL Serial, 100mW, u.FL Jack	USA	199.00	-
814-DVK-PRM121	DVK-PRM121	LT2510 Developer Kit, Pluggable, 3.3V TTL Serial, 100mW, Chip Ant	USA	199.00	-
814-DVK-PRM122	DVK-PRM122	LT2510 Developer Kit, Pluggable, 3.3V TTL Serial, 100mW, u.FL Jack, CE Approved	Worldwide	199.00	-
814-DVK-PRM123	DVK-PRM123	LT2510 Developer Kit, Pluggable, 3.3V TTL Serial, 100mW, Chip Ant, CE Approved	Worldwide	199.00	-

ZB2430 OEM ZIGBEE TRANSCEIVER FAMILY Long Range "ZB2430" OEM ZigBee Transceivers (2.4GHz, 3V, 2-100mW)

Based on Texas Instruments' leading edge 802.15.4 SoC & Z-Stack™ technology, ZB2430 is one of the most powerful ZigBee-compliant solutions on the market today. It provides OEMs with industry-leading 2.4GHz module performance in low power conservation, ease of integration, range, features and functionality. ZB2430 is ideal for power-restricted or battery-powered applications. Its receive and powerdown performance offer OEMs the lowest power consumption of any comparable transceiver module. Since it operates in the 2.4GHz ISM band, the module can be used globally—allowing OEMs to standardize on a single platform. Although the IEEE 802.15.4 (PHY & MAC) and ZigBee stack are industry standards, our flexible approach allows OEMs to customize a solution specific to their application needs. With the embedded Z-stack, ZB2430 is aimed squarely at secure, low-power, mesh network applications. Modules are offered as Coordinators, Routers or End Devices. Network scan, remote configuration, dynamic routing, discovery, security... All unleash the full power of ZigBee. The Development Kit platform and test utility allow the OEM to explore the best of ZigBee—straight out of the box.



MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
High Power ZigBee Coordinator					
814-Z100S1AFC	Z100S1AFC	Zigbee Coordinator, SMT, 100mW, OTA, Chip Antenna	Worldwide	28.50	28.00
814-Z100S1UFC	Z100S1UFC	Zigbee Coordinator, SMT, 100mW, OTA, u.FL Jack	Worldwide	29.95	28.32
High Power ZigBee Router					
814-Z100S1AFR	Z100S1AFR	Zigbee Router, SMT, 100mW, OTA, Chip Antenna	Worldwide	28.50	28.00
814-Z100S1UFR	Z100S1UFR	Zigbee Router, SMT, 100mW, OTA, u.FL Jack	Worldwide	29.95	28.32
High Power ZigBee End Device					
814-Z100S1AFE	Z100S1AFE	Zigbee End Device, SMT, 100mW, OTA, Chip Antenna	Worldwide	28.50	28.00
814-Z100S1UFE	Z100S1UFE	Zigbee End Device, SMT, 100mW, OTA, u.FL Jack	Worldwide	29.95	28.32
High Power ZigBee Developer Kits - Surface Mount Package					
814-EVB-Z100S1AFC	EVB-Z100S1AFC	Zigbee Eval Board Coordinator-USB, 100mW, OTA, SMT, Chip Ant	Worldwide	99.00	-
814-EVB-Z100S1AFC-2	EVB-Z100S1AFC-2	Zigbee Eval Board Coordinator-RS232, 100mW, OTA, SMT, Chip Ant	Worldwide	99.00	-
814-EVB-Z100S1UFC	EVB-Z100S1UFC	Zigbee Eval Board Coordinator-USB, 100mW, OTA, SMT, u.FL Jack	Worldwide	99.00	-
814-EVB-Z100S1AFC-2	EVB-Z100S1AFC-2	Zigbee Eval Board Coordinator-RS232, 100mW, OTA, SMT, u.FL Jack	Worldwide	99.00	-
814-EVB-Z100S1AFR	EVB-Z100S1AFR	Zigbee Eval Board Router-RS232, 100mW, OTA, SMT, Chip Ant	Worldwide	99.00	-
814-EVB-Z100S1UFR	EVB-Z100S1UFR	Zigbee Eval Board Router-RS232, 100mW, OTA, SMT, u.FL Jack	Worldwide	99.00	-
814-EVB-Z100S1AFE	EVB-Z100S1AFE	Zigbee Eval Board End Device-RS232, 100mW, OTA, SMT, Chip Ant	Worldwide	99.00	-
814-EVB-Z100S1UFE	EVB-Z100S1UFE	Zigbee Eval Board End Device-RS232, 100mW, OTA, SMT, Chip Ant	Worldwide	99.00	-
2.4 GHz Accessories					
814-0650-00005	0650-00005	Power Supply, 7.5 VDC, 1.5 A, Sw. Reg., 100 - 240 VAC input	Worldwide	20.00	19.25
2.4 GHz Antennas & Cables					
814-0600-00040	0600-00040	S181FL-6-PX-2450S, 1/2 wave, 5", 2dBi, RA, u.FL plug	Worldwide	10.65	-
814-0600-00014	0600-00014	S181AH-2450S, 1/2 wave, 5", 2dBi, RA, RPSMA	Worldwide	13.42	13.15
814-0600-00039	0600-00039	S151FL-5-PX-2450S, 7", 5dBi, RA, u.FL plug	Worldwide	10.65	-
814-0600-00010	0600-00010	S151AH-2450S, 7", 5dBi, RA, RPSMA	Worldwide	14.64	14.25