

LAIRD TECHNOLOGIES Bridge, Modules and Transceivers



WIRELESS ETHERNET BRIDGE CONNEXLAN 400

Based on Laird Technologies' WISM+ 802.11 embedded module, the CL400 series of wireless Ethernet bridges provide outstanding data throughput over long ranges in a ruggedized industrial package. The CL400 Ethernet Bridge products are ideal for users looking for a simple to use wireless Ethernet bridge. Available with an AC power adapter, standard RJ-45 Ethernet jack and antennas, the CL400 come prepackaged with all necessary accessories. With no configuration necessary, users can simply plug in their Ethernet cable and apply power and have a wireless bridge at distance up to 1 mile and speeds up to 11Mbps. Optimized for point-to-point bridge connections the CL400 starter packs come pre-configured to communicate over a WPA2-CCMP encrypted secure 802.11 RF channel. The intelligent devices will optimize link speeds according to the RF conditions and distances between the units.

Features:

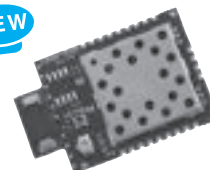
- Easy to use, no configuration necessary
- Standard 10/100 RJ-45 Ethernet Jack
- Auto Sensing interface for connection to peripherals or network devices
- Optimized RF Data rates dependant on conditions
- AES encrypted wireless link
- RF Speeds up to 11Mbps
- Line of sight distances up to 1 mile



MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each
814-CL400-SP	CL400-SP	Wifi Ethernet Bridge Starter Pak-Americas	USA	560.00

FLEXRF® 915MHZ AND 2.4GHZ WIRELESS MODULES

Laird Technologies' fifth generation 2.4 GHz 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 each module to communicate with any other in-range module for true peer-to-peer operation. "Out of range" modules can be reached via a meshing topology. The configuration and test software enables OEMs to structure and optimize the network to suit their application.



Laird Technologies' third generation 915MHz FHSS module sets yet another standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance. From the OEM integrator's point of view, the LT1110's interface (API, configuration, etc) is 100% compatible with the LT2510 allowing the OEM to choose either 915MHz or 2.4GHz. The enhanced API commands provide packet routing control and network intelligence. With its field-proven proprietary FHSS RF protocol and increased penetration at 915 MHz, the LT1110 rejects RF noise, excels in multipath scenarios, allows for co-located systems, and provides an extremely reliable communication link.

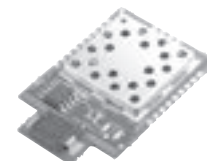
MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
LT2510 24GHz Wireless Modules					
814-PRM110	PRM110	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, U.FL Jack	USA	35.50	33.61
814-PRM111	PRM111	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, Chip Ant	USA	35.50	33.61
814-PRM112	PRM112	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, U.FL Jack	Worldwide	35.50	33.61
814-PRM113	PRM113	2.4GHz OEM Transceiver, SMT, 3.3V TTL, 100mW, Chip Ant	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	Worldwide	37.95	35.96
814-PRM123	PRM123	2.4GHz OEM Transceiver, Pluggable, 3.3V TTL, 100mW, Chip Ant	Worldwide	37.95	35.96
814-CL2510-100-232	CL2510-100-232	2.4 GHz RS232 Transceiver (Client config) 100mW w/antenna - DB9 interface connector	Worldwide	135.00	121.50
814-CL2510-100-232SP	CL2510-100-232-SP	2.4 GHz RS232 Transceiver Starter Pack* 100 mW	Worldwide	270.00	243.00
LT2510 24GHz Developer Kit & Evaluation Boards					
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 Evaluation Board, SMT, 3.3V TTL, 100mW, U.FL Jack	USA	99.00	-
814-EVB-PRM110-R	EVB-PRM110-R	LT2510 RS232 Evaluation 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 Evaluation 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	Worldwide	199.00	-
814-EVB-PRM112-U	EVB-PRM112-U	LT2510 USB Evaluation Board, SMT, 3.3V TTL, 100mW, U.FL Jack	Worldwide	99.00	-
814-EVB-PRM112-R	EVB-PRM112-R	LT2510 RS232 Evaluation Board, SMT, 3.3V TTL, 100mW, U.FL Jack	Worldwide	99.00	-
814-DVK-PRM113	DVK-PRM113	LT2510 Developer Kit, SMT, 3.3V TTL Serial, 100mW, Chip Ant	Worldwide	199.00	-
814-EVB-PRM113-U	EVB-PRM113-U	LT2510 USB Evaluation Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant	Worldwide	99.00	-
814-EVB-PRM113-R	EVB-PRM113-R	LT2510 RS232 Evaluation Board, SMT, 3.3V TTL Serial, 100mW, Chip Ant	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	Worldwide	199.00	-
814-DVK-PRM123	DVK-PRM123	LT2510 Developer Kit, Pluggable, 3.3V TTL Serial, 100mW, Chip Ant	Worldwide	199.00	-
814-DVK-PRM210	DVK-PRM210	RF Modules & Development Tools 3.3V TTL 10mW SMT KIT U.FL Jack	Worldwide	199.00	-
LT1110 915MHz Wireless Modules					
814-PRM210	PRM210	RF Modules & Development Tools 900MHz SMT 3.3V TTL 10mW U.FL Jack	Worldwide	30.25	26.95
814-PRM211	PRM211	915MHz SMT 3.3V TTL 10mW Chip Antenna	Worldwide	31.20	27.80
814-PRM220	PRM220	Pluggable 3.3V TTL 915MHz 10mW U.FL Jack	Worldwide	37.65	33.55
814-PRM221	PRM221	Pluggable 3.3V TTL 915MHz 10mW Chip Ant	Worldwide	39.00	34.75
LT1110 915MHz Developer Kit & Evaluation Boards					
814-DVK-PRM211	DVK-PRM211	LT1110 Development Kit 3.3V TTL Serial SMT KIT 10mW Chip Ant	Worldwide	199.00	-
814-EVB-PRM211-U	EVB-PRM211-U	LT1110 USB Evaluation Board 3.3V TTL Serial Eval Board 10mW Chip Ant	Worldwide	99.00	-
814-EVB-PRM211-R	EVB-PRM211-R	LT1110 RS232 Evaluation Board 3.3V TTL Serial Eval Board 10mW Chip Ant	Worldwide	99.00	-
814-DVK-PRM220	DVK-PRM220	LT1110 Development Kit 3.3V TTL Serial Plug KIT 10mW u.FL Jack	Worldwide	199.00	-
814-DVK-PRM221	DVK-PRM221	LT1110 Development Kit 3.3V TTL Serial Plug KIT 10mW Chip Ant	Worldwide	199.00	-
814-EVB-PRM210-U	EVB-PRM210-U	LT1110 USB Evaluation Board 3.3V TTL Eval Brd 10mW u.FL Jack	Worldwide	99.00	-
814-EVB-PRM210-R	EVB-PRM210-R	LT1110 RS232 Evaluation Board 3.3V TTL Eval Brd 10mW u.FL Jack	Worldwide	99.00	-

* Starter pack includes one Server and one Client, standard RS-232 cable (no cables with RS-485 version), Nearson S467 Antennas, power supplies.

ZB2430 OEM ZIGBEE TRANSCIVER 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-Z100S1UFC	Z100S1UFC	Zigbee Coordinator, 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	29.95	27.95
814-Z100S1UFE	Z100S1UFE	Zigbee End Device, SMT, 100mW, OTA, u.FL Jack	Worldwide	29.95	27.95

