Wi-Fi Line Card

Laird Connectivity offers certified Wi-Fi modules that enable secure and reliable wireless connectivity, even in the harshest environments. Our modules are ideal for robust, business-critical connectivity in medical, industrial, and commercial settings where excellent RF performance, lower power consumption, simplified application development, and fast time to market are a must.

Laird™ CONNECTIVITY

Enterprise Modules

Professional Modules

Better with the Summit Stack
Custom Firmware, Custom Supplicant, Connection Manager, And Much More.

	60-SIPT	60-2230C	60 Series SOM	Sterling-LWB5+	Sterling-LWB	Sterling-EWB
Chipset	Marvell 88W8997	Marvell 88W8997	Marvell 88W8997 Atmel ATSAMA5D36	Cypress (Infineon) CYW4373E	Cypress (Infineon) CYW4343W	Cypress (Infineon) CYW4343W + STM32F412 Cortex M4 MCU
802.11 Standards	802.11 a/b/g/n/ac (2.4 and 5 GHz)	802.11 a/b/g/n/ac (2.4 and 5 GHz)	802.11 a/b/g/n/ac (2.4 and 5 GHz)	802.11a/b/g/n/ac (2.4 and 5 GHz)	802.11 b/g/n (2.4 GHz)	802.11 b/g/n
BT Standards	Dual-Mode Bluetooth v5.1	Dual-Mode Bluetooth v5.1	Dual-Mode Bluetooth v5.1	Classic Bluetooth and Dual-Mode BLE 5.1	Classic Bluetooth and Dual-Mode BLE v4.2	Bluetooth v5.1 BR/DR/LE
Type	SiP Package	M.2 2230-E Module with USB, SDIO, and PCIE variants	Complete System on Module w/ Linux OS and 500 MHz ARM A5 processor	Surface Mount Module or M.2 2230 E-Key	SiP Package or Surface Mount Module	SiP Package or Surface Mount Module
Size (mm)	14 x 13	30 x 22	30 x 30	12 x 17 x 2.2 (module) 22 x 30 x 3.1 (M.2)	10 x 10 (SIP) 15.5 x 21 (module)	10 x 10 (SIP) 16 x 21 (module)
Tx Power (dBm)	Wi-Fi: 10 to 18 BT/BLE: 7 to 10	Wi-Fi: 10 to 18 BT/BLE: 7 to 10	Wi-Fi: 10 to 18 BT/BLE: 7 to 10	+ 18 dBm (maximum)	Wi-Fi: 12.5 to 17.5 BT/BLE: 4 to 8.5	Wi-Fi: 12.5 to 17.5 BT/BLE: 4 to 8.5
Rx Sensitivity (dBm)	Wi-Fi: -55 to -95 BT/BLE: -88 to -95	Wi-Fi: -55 to -95 BT/BLE: -88 to -95	Wi-Fi: -55 to -95 BT/BLE: -88 to -95	Wi-Fi: -96 BT/BLE: -94	Wi-Fi: -72 to -88 BT/BLE: -87 to -94	Wi-Fi: -72 to -88 BT/BLE: -87 to -94
Temp. Range	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40° to +85° C
OS Support	Android, Linux	Android, Linux	Onboard Linux OS and MPU	Linux	Android, Linux	On-board RTOS with WICED
Security	WEP, WPA, WPA2	WEP, WPA, WPA2	WEP, WPA, WPA2	WEP, WPA, WPA2	WEP, WPA, WPA2	WEP, WPA, WPA2
Encryption	WEP, TKIP, AES (full EAP type and certificate support)	WEP, TKIP, AES (full EAP type and certificate support)	WEP, TKIP, AES (full EAP type and certificate support)	TKIP, AES	TKIP, AES (EAP Authentication)	TKIP, AES
Certifications	FCC, IC, CE, Giteki, AU/NZ, KCC, RCM	FCC, IC, CE, Giteki, AU/NZ, KCC, RCM	FCC, IC, CE, Giteki, AU/NZ, KCC, RCM	FCC, IC, CE, Giteki, RCM (all pending)	FCC, IC, ETSI, Giteki, RCM	FCC, IC, ETSI, Giteki, RCM
Management	Laird Connection Manager (LCM) and Software DVK	Laird Connection Manager (LCM) and Software DVK	Command Line and browser-based Laird Connection Manager	Direct driver support for Linux and Bluetooth SIG-certified driver	Linux driver support, Sterling-LWB for WICED reference platform	WICED SDK and **New: AT Command Set!**

- Designed for Mission Critical applications
- 'Always-On Connectivity' through advanced software
- Performance in harsh RF environments
- Multi-OS (Android/Linux)

- Enterprise Security
- Fast scanning & roaming
- Industry-leading Support & Extended Warranty

- Designed for **Fast Time-to-Market**
- Broad Certifications
- Innovative Development Tools & Resources
- Industry-leading Design Support

Modules shown are not actual size.