Bx600 Breakout Boards and BL600 DVK

BLE Development Options for Any Hardware Budget

BLUETOOTH DESIGN THAT SCALES TO YOU.

Designing Laird's BL600 into your system has never been easier. Laird now introduces the Bx600 breakout board series, joining alongside the DVK-BL600 development kit. All allow you to connect to and program the BL600 from Windows, OSX, or Linux via UwTerminalX software. The Bx600 breakout boards provide a streamlined approach for simplified BL600 prototyping in as little as a tenth of the cost. They come in three packages: basic breakout board, board with coin cell attachment, and board with coin cell attachment and USB-to-UART adapter. The DVK-BL600 contains a wider variety of hardware components such as interfaces, sensors, LEDs, and power options.

THE RIGHT HARDWARE FOR YOUR DESIGN REQUIREMENT

Whether you need a simple prototype option or lots of sensors and interfaces for testing, Laird's development options have you in mind. The Bx600 breakout boards are a cost-effective and direct: The **BB600** has through holes for breadboarding; The **BC600** includes a mounted coin cell power adapter for designing low-power solutions directly on the board; The **BA600** bundles the coin cell adapter with a USB to UART adapter for power flexibility and PC testing with applications like vSP. The **DVK-BL600** offers extensive onboard equipment to help you design for any application.

CROSS-PLATFORM SOFTWARE LETS YOU DEVELOP YOUR WAY

Laird's new UwTerminalX software takes UwTerminal to the next level, bringing *smart*BASIC to all desktop environments. UwTerminalX (Windows / Linux / OSX) lets you control the BL600 in command mode and compile, load, and run *smart*BASIC scripts on the device. Companion apps for UwTerminalX include **MultiDeviceLoader**, which lets you deploy a script to as many as ten devices at once, and **TermNotify**, which enables connection alerts and status info from the OS system tray. All of this is hosted on GitHub, so you can modify the project to meet your needs.

PERSONAL SUPPORT FROM DESIGN TO MANUFACTURE

Laird's support team is always standing by to provide integration support, analysis, and troubleshooting for all currently supported hardware. Working in the same offices as Laird engineering, Embedded Wireless Support is your personal bridge to all of Laird's software, experience, and expertise. Laird guarantees a fast response and is dedicated to seeing your product through design to manufacturing. And our online support center serves as an archive of many common questions, as well as hundreds of support documents and software files.

Features at a Glance

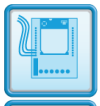
BB600: Basic breakout board and pin-based power supply. Access to I/O via through-holes. Most cost-efficient access to the full BL600

BC600: Breakout board with coin cell holder attached. Allows flexibility of power and mobile deployment for prototyping low-power solutions.

BA600: Breakout board with coin cell holder and USB-to-UART adapter. More flexible development with a PC, especially applications like vSP.

DVK-BL600: Full development board with array of sensors, LEDs, through-holes, current measurement circuit, power connectors and interfaces.

Use Cases



Prototyping, easily add BL600 to existing design

Developing low-power designs (i.e. Beacons)

Easy PC connection for vSP / serial testing

Full access to module for complete design / test

EXTENDED FEATURES

BA600

BB600

BC600

DVK-BL600

Designed For	Smaller, streamlined access to the module and easy connection into a breadboard or a header on your host device. Convenient for simply adding the BL600 into any design, enabling a faster time to market.	Fully-featured board with sensors and interfaces for a complete development solution. Evaluate the BL600 outside of your host system with a high degree of measurability, testing, and insight.
Module Options	BL600-SA	BL600-SA, BL600-SC, BL600-ST BL620-SA, BL620-SC, BL620-ST (via firmware upgrade)
Antenna Options	Integrated	Integrated (-SA Modules) IPEX MHF4 (-SC Modules) Trace Pin (-ST Modules)
BLE Role	Peripheral only (BL600)	Central (BL620) or Peripheral (BL600)
Power Options	BB600: Power Pin BC600: Coin Cell Adapter BA600: Coin Cell Adapter, USB	DC Jack (4.5 – 5.5 V), 3xAAA batteries, or USB B cable, CR2032 Coin Cell (powers module only)
Additional Hardware	BB600: None BC600: Configuration Jumpers BA600: USB Cable, USB-to-UART Adapter, Jumpers	Temperature sensor, voltage measurement circuit, programmable LED array and push button switches
Connection Interfaces	Access to all I/O via through-hole plates, USB-to-UART adapter (BA600)	UART, JTAG, USB-to-UART Adapter, Access to all I/O via through-hole plates
Warranty	5 Year Limited Lifetime	5 Year Limited Lifetime

PART NUMBERS

BA600-0x	Breakout board with mounted BL600-SA module, coin cell attachment and UART-to-USB adapter
BB600-0x	Breakout board with mounted BL600-SA module
BC600-0x	Breakout board with mounted BL600-SA module and coin cell attachment
DVK-BL600-SA/ST/SC-0x	Development kit for BL600 and BL620 modules **Note**: Update firmware on DVK-BL600 for BL620 operation.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bluetooth Development Tools - 802.15.1 ***category:***

Click to view products by Laird Connectivity ***manufacturer:***

Other Similar products are found below :

DA14580PRODTLKT 1628 MBH7BLZ02-EF-KIT CYBLE-014008-PROG FWM7BLZ20-EB-KIT ATSAMB11ZR-XPRO SKY66111-21EK1 SECO-RSL10-TAG-GEVB 3026 MIKROE-2471 MOD-NRF8001 BLE-IOT-GEVB 450-0184 MIKROE-2399 EKSHCNZXZ EVAL_PAN1026 EVAL_PAN1720 EVAL_PAN1740 2267 2479 2487 2633 STEVAL-IDB005V1D STEVAL-IDB001V1 MIKROE-2545 SIPKITSLF001 2995 STEVAL-IDB007V1M 2829 DFR0267 DFR0296 DFR0492 TEL0073 BM-70-CDB WSM-BL241-ADA-008DK STEVAL-BTDP1 ACD52832 TEL0095 ISP1507-AX-TB RN-4871-PICTAIL DA14695-00HQDEVKT-P DA14695-00HQDEVKT-U EVK-NINA-B112 EBSHJNZXZ EKSHJNZXZ BMD-200-EVAL-S ACN BREAKOUT BOARD ACN SKETCH 2269 2746