

Bluetooth® 4.0 Single Mode Low Energy nano ampere network USB Serial Dongle



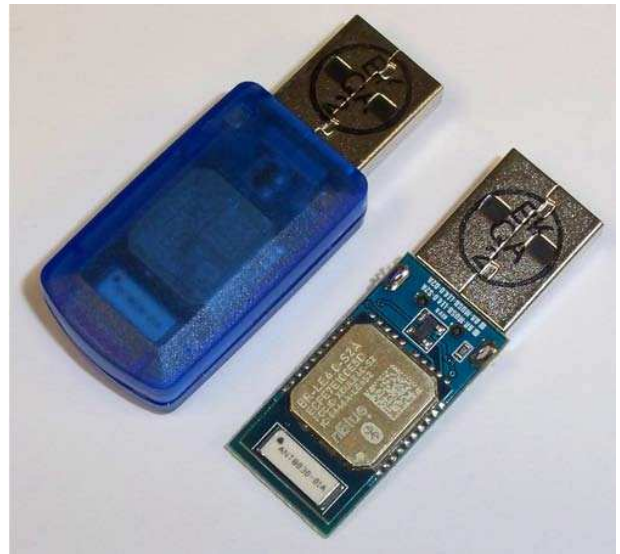
nBlue™ BR-MUSB-LE4.0-S2A



OUTLINE

- **AT HOME. AT WORK. ON THE ROAD. USING BLUETOOTH LOW ENERGY WIRELESS TECHNOLOGY MEANS TOTAL FREEDOM FROM THE CONSTRAINTS AND CLUTTER OF WIRES IN YOUR LIFE.**
- Wireless data communications USB Serial Dongle certified to *Bluetooth*® ver4.0
- No custom software driver installation required
- USB 2.0 system-on-chip FTDI controller
- Includes integrated software stack, profiles, and AT modem like commands.
- Code space for client applications (130kB Flash / 50kB w/parser, 2.5kB RAM)
- Included: translucent blue ABS plastic enclosure. 30(L) X 18(W) X 10(H)mm (1.2" X 0.71" X 0.40")
- Embedded *Bluetooth* stack protocols and profiles (Master/Slave) included (*requires no host MCU stack*): GAP, GATT, SMP, ATT, L2CAP, BAS, BLP, BLS, DIS, FMP, ANP, HIDS, HOGP, HID, HTP, HTS, HRP, HRS, IOP, IAS, LLS, PASP, PXP, SCPP, SCPS, TIP, TPS, and BRSP.

nBlue BR-LE4.0-S2A module



FEATURES

- nBlue serial radio modems can be configured, commanded, and controlled via simple ASCII strings on generic profiles or using "C" library calls with custom applications embedded onto the unit.
- Purchasers of nBlue are qualified to receive IAR Systems 8051 compiler for only \$1K. MSRP is \$3K.
- UART hand shaking speeds: 9600bps up to 460.8Kbps. Default is 115200bps
- +150 meter (500 feet) est. distance (LOS)
- Software adjustable transmitter power from short to long range applications
- Programmable Input Output (PIO's)
- LED status indicators: USB Power (red), PIO2 *Bluetooth* Connection (blue), and PIO5 Slave status (green)
- Operating temperature range: -40°C to ~+85°C
- Secure and robust communication link
 - ✓ FHSS (Frequency Hopping Spread Spectrum)
 - ✓ Encryption, and 16 alphanumeric Personal Identification Number (PIN)
 - ✓ Error correction schemes for guaranteed packet delivery

Note: USB Dongles also available for *Bluetooth 2.0*, *Bluetooth* Smarty Ready, and proprietary modules.