



Gaustadalléen 21
0349 Oslo
Norway

(+47) 23 36 98 11
(+47) 23 36 98 01

Technical Description

The xTAG is an evaluation board for the new CC2650 chip from Texas Instruments. The board is powered by a CR2032 battery that delivers 3.0V to the Wireless MCU. The xTAG is intended to be used for development of *Bluetooth* Smart applications.

The CC2650 Wireless MCU has a differential RF output. On the xTAG this differential output is transformed to a single ended, 50 ohm signal through a discrete balun. Additionally, the balun greatly reduces harmonic radiation. The single ended output of the balun is connected to an on-board PCB antenna. The device uses the modulation format and data rate as specified in the *Bluetooth* core spec version 4.0 for low energy devices, i.e. GFSK, 1 Mbps.

The xTAG is an engineering development board and cannot be used in an end product.