Part Number: DM303007

Keeloq 3 Development Kit

The low-cost KeeLoq 3 Development Kit is designed to help engineers get up to speed quickly using PIC® microcontrollers (MCUs), and provides everything needed to program, debug, and develop secure authentication applications for a variety of markets such as security systems (keypads, remote sensors and access control); remote keyless entry (automotive) and authentication (identity and property) applications.

The kit provides new enhanced features over the KeeLoq II system such as a patented secure-learning algorithm that prevents differential power-analysis attack techniques. Additionally, the technology now supports 128-bit encryption keys, longer data transmissions, bidirectional communication authentication; and also supports alternative encryption algorithms, such as XTEA and AES. The enhanced microcontroller-based encoder solution enables customization, so that further security enhancements can be implemented over time. The kit comes complete with a controller board containing a 28-pin 8-bit PIC16F886 Flash MCU, two programmable transmitter boards, one receiver board and a PICkit™ 2 programmer. All source-code files and application notes are also included.