



DS28CN01EVKIT

Evaluation Board/Evaluation System for the DS28CN01

Comprehensive Evaluation System for DS28CN01



NDA Required. [Request Full Data Sheet](#)



All versions are Not Recommended for New Designs.

[Please check latest availability status for a specific part variant.](#)

Description

The DS28CN01 evaluation system (EV system) consists of a single evaluation kit (EV kit) that includes an evaluation board (EV board) and a Maxim CMAXQUSB command module. The DS28CN01 combines 1024 bits of EEPROM with challenge-and-response authentication security implemented with the Federal Information Publications (FIPS) 180-1/180-2 and ISO/IEC 10118-3 Secure Hash Algorithm (SHA-1). The memory is organized as four pages of 32 bytes each. Data copy-protection and EPROM emulation features are supported for each memory page. Each DS28CN01 has a guaranteed unique, factory-programmed, 64-bit registration number. This EV kit provides a complete hardware and software system to exercise all of the features of the DS28CN01. The evaluation software runs under Windows® XP/Vista 32/2000/98SE operating systems, providing a handy user interface to exercise the DS28CN01 features.

Figure 1, in the full data sheet, shows the stand-alone EV board and Figure 2, in the full data sheet, shows the EV board connected to the command module.

Key Features

- Easy Setup
- Proven PCB Layout
- Complete Evaluation System
- PC Connectivity Included
- Free Evaluation Software Available

Applications/Uses

- Accessory and Peripheral Identification
- Equipment Registration and License Management
- Medical Sensor Authentication and Calibration
- Network Node Identification
- Printed Circuit Board Unique Serialization
- Printer Cartridge Configuration and Monitoring
- System Intellectual Property Protectio