MULTI-PROTOCOL DATA BUS SYSTEM

Abstract

A multi-protocol (IIC,IM) serial data bus system comprises a data bus including two clock lines and a data line. A controller (100) generates a first clock signal (SCL) and a first data signal (DATA) according to a first serial data bus protocol (IIC) during a first mode of operation of the system, and generates a second clock signal (CLOCK) and a second data signal (DATA) according to a second serial data bus protocol (IM) during a second mode of operation. The first clock signal (SCL) and the first data signal (DATA) are provided on the first and third signal paths, respectively, during the first mode of operation. The second clock signal (CLOCK) and the second data signal (DATA) are provided on the second and third signal paths, respectively, during the second mode of operation.

Figure 1