

## I2C Function

### I2C\_Initialize

**bool I2C\_Initialize( )**

**Purpose** The I2C Controller Initialize Function.

**Return** True (1) on success, False (0) on failure

### I2C\_ReadByte

**Int I2C\_ReadByte(int SlaveID, int Index)**

**Purpose** Read the I2C data.

**Value** SlaveID Device Slave address to be read

Index Device data index to be read

**Return** A byte Array representing the data

### I2C\_WriteByte

**bool I2C\_WriteByte(int SlaveID, int Index, int Data)**

**Purpose** Write data into the I2C

**Value** SlaveID Device Slave address to be read

Index Device data index to be read

Data (Data to be written)

**Return** True (1) on success, False (0) on failure