

```

1 /*****
2 /*                                TWI (I2C) 通信制御                                */
3 *****/
4 #ifndef INCLUDED_TWI_I2C_H
5 #define INCLUDED_TWI_I2C_H
6
7 #include "hardwareInfo.h"
8
9 /*****
10
11 typedef struct {
12     BYTE    bySndDataSz1;
13     BYTE    bySndDataSz2;
14     BYTE    byRcvDataSz;
15     const BYTE* pSndData1;
16     const BYTE* pSndData2;
17     BYTE*    pRcvBuff;
18 } I2C_TXRX;
19
20 *****/
21 /* 関数プロトタイプ                                */
22
23 void Init_I2C(void);
24 void SetSlaveAddr_I2C(BYTE bySlaveAddr);
25 BOOL TranceiveData_I2C(I2C_TXRX* TxRxParam);
26 BOOL ReadByte_A8_I2C(BYTE byRdAddr, BYTE *pRxBuff);
27 BOOL ReadByte_A16_I2C(WORD wRdAddr, BYTE *pRxBuff);
28 BOOL ReadPage_A8_I2C(BYTE byRdAddr, BYTE bySize, BYTE *pRxBuff);
29 BOOL ReadPage_A16_I2C(WORD wRdAddr, BYTE bySize, BYTE *pRxBuff);
30 BOOL WriteByte_A8_I2C(BYTE byWrAddr, const BYTE *pTxData);
31 BOOL WriteByte_A16_I2C(WORD wWrAddr, const BYTE *pTxData);
32 BOOL WritePage_A8_I2C(BYTE byWrAddr, BYTE bySize, const BYTE *pTxData);
33 BOOL WritePage_A16_I2C(WORD wWrAddr, BYTE bySize, const BYTE *pTxData);
34
35
36 #endif /* INCLUDED_TWI_I2C_H */

```