

Appendix-A Error messages

Application Manual

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Table of Contents

Appendix-A Error messages 5

Appendix-A Error messages

The following extended Error Messages are defined (see iolink.h in application source code):

```

IOLINK_SMI_ERRORTYPE_NONE = 0x0000,

/* Table C.1 ErrorTypes */
IOLINK_SMI_ERRORTYPE_APP_DEV           = 0x8000,
IOLINK_SMI_ERRORTYPE_IDX_NOTAVAIL      = 0x8011,
IOLINK_SMI_ERRORTYPE_SUBIDX_NOTAVAIL   = 0x8012,
IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL     = 0x8020,
IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL_LOCTRL = 0x8021,
IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL_DEVCTRL = 0x8022,
IOLINK_SMI_ERRORTYPE_IDX_NOT_ACCESSIBLE = 0x8023,
IOLINK_SMI_ERRORTYPE_PAR_VALOUTOFRNG   = 0x8030,
IOLINK_SMI_ERRORTYPE_PAR_VALGTLIM     = 0x8031,
IOLINK_SMI_ERRORTYPE_PAR_VALLTLIM     = 0x8032,
IOLINK_SMI_ERRORTYPE_VAL_LENVERRUN    = 0x8033, /* Also in C.2 */
IOLINK_SMI_ERRORTYPE_VAL_LENUNDRUN    = 0x8034,
IOLINK_SMI_ERRORTYPE_FUNC_NOTAVAIL    = 0x8035,
IOLINK_SMI_ERRORTYPE_FUNC_UNAVAILTEMP = 0x8036,
IOLINK_SMI_ERRORTYPE_PAR_SETINVALID    = 0x8040,
IOLINK_SMI_ERRORTYPE_PAR_SETINCONSIST  = 0x8041,
IOLINK_SMI_ERRORTYPE_APP_DEVNOTRDY    = 0x8082,
IOLINK_SMI_ERRORTYPE_UNSPECIFIC        = 0x8100,

/* Table C.2 Derivced ErrorTypes */
IOLINK_SMI_ERRORTYPE_COM_ERR           = 0x1000,
IOLINK_SMI_ERRORTYPE_I_SERVICE_TIMEOUT = 0x1100,
IOLINK_SMI_ERRORTYPE_M_ISDU_CHECKSUM   = 0x5600,
IOLINK_SMI_ERRORTYPE_M_ISDU_ILLEGAL    = 0x5700,

/* Table C.3 SMI related ErrorTypes */
IOLINK_SMI_ERRORTYPE_ARGBLOCK_NOT_SUPPORTED = 0x4001,
IOLINK_SMI_ERRORTYPE_ARGBLOCK_INCONSISTENT = 0x4002,
IOLINK_SMI_ERRORTYPE_DEV_NOT_ACCESSIBLE    = 0x4003,
IOLINK_SMI_ERRORTYPE_SERVICE_NOT_SUPPORTED = 0x4004,
IOLINK_SMI_ERRORTYPE_DEV_NOT_IN_OPERATE    = 0x4005,
IOLINK_SMI_ERRORTYPE_MEMORY_OVERRUN       = 0x4006,
IOLINK_SMI_ERRORTYPE_PORT_NUM_INVALID     = 0x4011,
IOLINK_SMI_ERRORTYPE_ARGBLOCK_LENGTH_INVALID = 0x4034,
IOLINK_SMI_ERRORTYPE_SERVICE_TEMP_UNAVAILABLE = 0x4036,

```