10.1 Error Codes

Hardware manual

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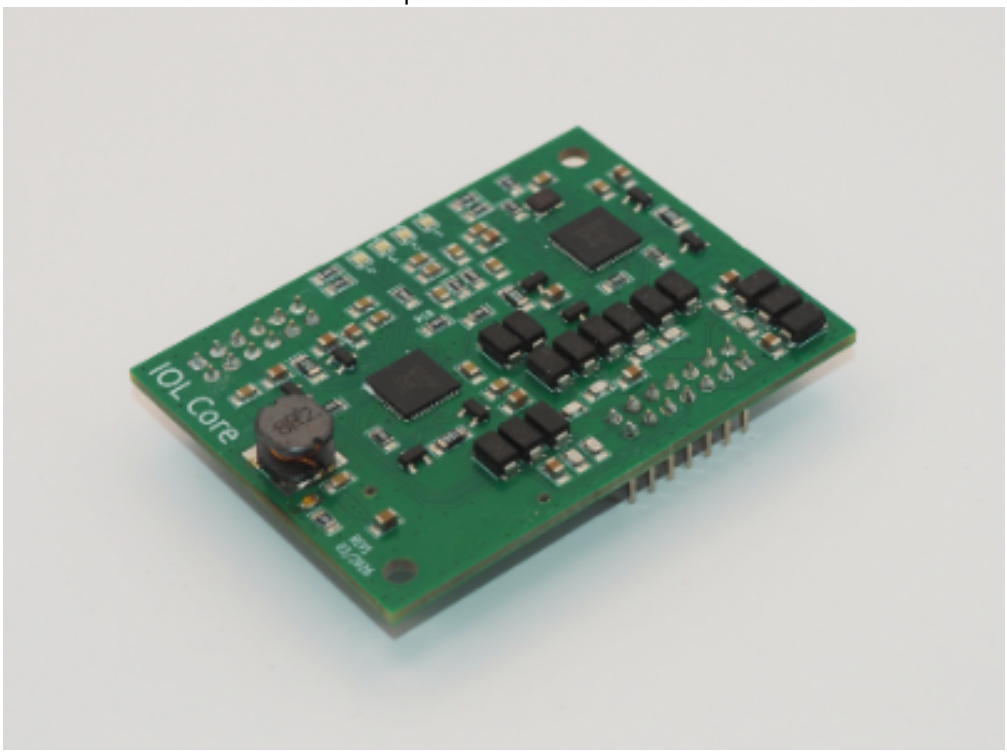


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10.1 Error Codes

JSON/Node Red Error codes

This table shows the error codes for operations, which is returned by the Node-RED nodes or as part of the JSON functions.

Error code	Error type
0x00	noError
0x01	ioddNoPi
0x02	ioddNoPo
0x03	powerOff
0x04	errorIntInit
0x05	errorIntCRC
0x06	errorIntComm
0x07	errorNoIodd
0x08	errorIoddInvalid
0x09	errorIoddMismatch
0x0A	errorPowerSwitch
0x0B	errorNoDevice
0x0C	errorVariableNotAvailable
0x0D	errorTryToReadArrayRecord
0xOE	errorPortError
0x0F	errorParseInputJson
0x10	errorAccesRoVariable
0x11	errorVariableAccess
0x12	errorInputOutOfRange
0x13	errorInputIpMalformed
0x14	errorConfigFile
0x15	errorConfigFileVersion
0x16	errorInputJsonNotBase64orObject

IO-Link error codes

These error codes detail errors on the IO-Link level, e.g. when reading or writing parameters, as part of the IO-Link specification (see __IOL-Interface-Spec_10002_V113_Jun19.pdf __). The error codes are part of the text field in the JSON response.

Error code	Error type
0x8000	IOLINK_SMI_ERRORTYPE_APP_DEV
0x8011	IOLINK_SMI_ERRORTYPE_IDX_NOTAVAIL

Error code	Error type
0x8012	IOLINK_SMI_ERRORTYPE_SUBIDX_NOTAVAIL
0x8020	IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL
0x8021	IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL_LOCCTRL
0x8022	IOLINK_SMI_ERRORTYPE_SERV_NOTAVAIL_DEVCTRL
0x8023	IOLINK_SMI_ERRORTYPE_IDX_NOT_ACCESSIBLE
0x8030	IOLINK_SMI_ERRORTYPE_PAR_VALOUTOFRNG
0x8031	IOLINK_SMI_ERRORTYPE_PAR_VALGTLIM
0x8032	IOLINK_SMI_ERRORTYPE_PAR_VALLTLIM
0x8033	IOLINK_SMI_ERRORTYPE_VAL_LENOVRRUN
0x8034	IOLINK_SMI_ERRORTYPE_VAL_LENUNDRUN
0x8035	IOLINK_SMI_ERRORTYPE_FUNC_NOTAVAIL
0x8036	IOLINK_SMI_ERRORTYPE_FUNC_UNAVAILTEMP
0x8040	IOLINK_SMI_ERRORTYPE_PAR_SETINVALID
0x8041	IOLINK_SMI_ERRORTYPE_PAR_SETINCONSIST
0x8082	IOLINK_SMI_ERRORTYPE_APP_DEVNOTRDY
0x8100	IOLINK_SMI_ERRORTYPE_UNSPECIFIC
0x1000	IOLINK_SMI_ERRORTYPE_COM_ERR
0x1100	IOLINK_SMI_ERRORTYPE_I_SERVICE_TIMEOUT
0x5600	IOLINK_SMI_ERRORTYPE_M_ISDU_CHECKSUM
0x5700	IOLINK_SMI_ERRORTYPE_M_ISDU_ILLEGAL
0x4001	IOLINK_SMI_ERRORTYPE_ARGBLOCK_NOT_SUPPORTED
0x4002	IOLINK_SMI_ERRORTYPE_ARGBLOCK_INCONSISTENT
0x4003	IOLINK_SMI_ERRORTYPE_DEV_NOT_ACCESSIBLE
0x4004	IOLINK_SMI_ERRORTYPE_SERVICE_NOT_SUPPORTED
0x4005	IOLINK_SMI_ERRORTYPE_DEV_NOT_IN_OPERATE
0x4006	IOLINK_SMI_ERRORTYPE_MEMORY_OVERRUN
0x4011	IOLINK_SMI_ERRORTYPE_PORT_NUM_INVALID
0x4034	IOLINK_SMI_ERRORTYPE_ARGBLOCK_LENGTH_INVALID
0x4036	IOLINK_SMI_ERRORTYPE_SERVICE_TEMP_UNAVAILABLE