

Advantech AE Technical Share Document

Date	2019/7/26	SR#	1-3849423501
Category	■FAQ □SOP	Related OS	N/A
Abstracta	What is the system tag error code about communication quality on EdgeLink?		
Keyword	System tag, error code, communication quality		
Related Product	ADAM-3600, ECU-1152, ECU-1251, ECU-1051		

■ **Problem Description:**

This document explains the error code of quality messages of system tags shows on EdgeLink. These codes represent the communication quality.

■ **Answer:**

The following tables show the error code and the description of system tags. Table 1 list down the quality codes for analog signal. Table 2 list down the exception quality codes.

Table 1. Analog Tag Quality Code

Item	Quality message	Error code	Description
1	QLTY_OVER_RANGE	0x0001	Over Range
2	QLTY_UNDER_RANGE	0x0002	Under Range
3	QLTY_OPEN_LOOP	0x0003	Open Loop
4	QLTY_SHORTED_LOOP	0x0004	Shorted Loop

Table 2. Exception Quality Code

Item	Quality message	Error code	Description
1	QLTY_RESTART	0x8001	Comm Error, indicates that the data has not been updated from the field since device reset.
2	QLTY_DRIVER_LOAD_FAILED	0x8002	Driver Error
3	QLTY_PORT_OPEN_FAILED	0x8003	Port Error
4	QLTY_DEVICE_ERROR	0x8004	Device Error, 3+ packets in this device failed
5	QLTY_CONVERSION_CODE_ERROR	0x8005	Conversion Code Error
6	QLTY_CONVERSION_ERROR	0x8006	Conversion Error

	OR		
7	QLTY_DATA_TYPE_ERROR	0x8007	Data Type Error
8	QLTY_DATA_SIZE_ERROR	0x8008	Data Size Error
9	QLTY_DATA_ERROR	0x8009	Data Error
10	QLTY_CHECKSUM_ERROR	0x800a	Checksum Error
11	QLTY_MSG_SEQ_ERROR	0x800b	MsgSeq Error, Incorrect message sequence
12	QLTY_NO_OWNER	0x8080	Data Source Absent
13	QLTY_DISCONNECTED	0x8081	Disconnected
14	QLTY_DRIVER_SEPCIFIED	0x8100	Driver Sepcified

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