

conformance test

DUT: libosdp 1.1 build 4 PD

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Introduction

t.b.d. some SIA text stuff point back at working within the communittee and other proper notices per ANSI requirements.

Device Under Test (DUT)

It's the open source code as of January 2017. "1.1 Build 4" in the github repo. It can fulfill CP or PD for all four roles (when fully coded out.)

- peripheral
- basic
- bio
- ficam (CP only)

This one is the test as a PD, against the Peripheral profile, the minimal one.

Conformance Statement

(to be moved to spreadsheet per template.)

does peripheral profile

no secure channel

some gaps in protocol coverage

works at addresses 0x00-0x73

does not support comset

supports all OSDP speeds (set via configuration file)

also supports TLS with client cert auth as server or client

also supports TLS over IPv6.

also supports TLS over 802.1X.

profile report

2.1	Physical Interface	Exercised
2.2	Signalling	Exercised
2.3	Character Encoding	Exercised
2.4	Channel Access	Exercised
2.5	Multi-byte Data Encoding	Exercised
2.6	Packet Size Limits	???
2.7	Timing	Not implemented in open-osdp
2.8	Message Synchronization	Not implemented in open-osdp
2.9	Packet Formats	Exercised
2.10	SOM - Start of Message	Exercised
2.11	ADDR - Address	???
2.12	LEN - Length	Exercised
2.13	CTRL - Control	Exercised
2.14	Security Block (hdr process only)	Exercised
2.15	CMND/REPLY - Command/Reply Code	Exercised
2.16	CHKSUM/CRC16 - Message Check Codes	Exercised
2.17	Large Data Messages	???
3.1	Poll	Exercised
3.2	ID Report Request	Untested
3.3	Peripheral Device Capabilities Req	Untested
3.4	Diagnostic Function Request	Untested
3.5	Local Status Report Request	Untested
3.6	Input Status Report Request	Untested
3.7	Output Status Report Request	Untested
3.8	Reader Status Report Request	Untested
3.9	Output Control Command	Untested
3.10	Reader LED Control Command	Untested
3.11	Reader Buzzer Control Command	???
3.12	Reader Text Output Command	???
3.13	(Deprecated)	
3.14	Communication Configuration Cmd	???
3.15	(Deprecated)	
3.16	Set Automatic Rdr Prompt Strings	???
3.17	Scan and Send Biometric Template	???
3.18	Scan and Match Biometric Template	???
3.19	(Deprecated)	
3.20	Manufacturer Specific Command	???
3.21	Stop Multi Part Message	???
3.22	Maximum Accetpable Reply Size	???
4.1	General Ack Nothing to Report	Exercised
4.2	Negative Ack Error Response	Untested
4.3	Device Identification Report	Untested
4.4	Device Capabilities Report	Untested
4.5	Local Status Report	Untested
4.6	Input Status Report	Untested
4.7	Output Status	Untested
4.8	Reader Tamper Status	Untested
4.9	Card Data Report, Raw Bit Array	Untested
4.17	PD Busy Reply	Untested

Passed: 14 Failed: 0 Untested: 18
---end of report---

Conformance Report

t.b.d.

protocol exercise report

Comments

didn't start with an ident. testbed started with a poll and the DUT responded with an ack.

Report

t.b.d.