

Properties

This page describes the "property request" mechanism, as well as the message format used to interact with it.

Message Format

All messages on this endpoint are CBOR encoded.

Requests

Requests are maps, with one or more of the following keys:

- `get`: An array of property IDs to read
- `set`: A map containing properties to set. Keys in the map correspond to property IDs.

Replies

The device responds with a map, which contains the following keys. Which keys are included in the response depends on the request:

- `get`: A map (keyed by property IDs) containing the value of all requested properties. Unsupported/unknown properties are returned as `undefined`.
- `set`: An array containing the property IDs of all properties that were set. Any properties that were requested to be set, but are not supported (or read-only) will not be included.

Supported Properties

Below are all currently supported properties, including their IDs and value types:

ID	Name	R/W	Type	Description
0x01	HwSerial	R	string	Serial number of the hardware
0x02	HwVersion	R	string	Version information (such as revision) for the device

0x03	HwInventory	R	array	<p>Information about all peripherals connected to the load. The array contains maps, which will have the following keys:</p> <ul style="list-style-type: none"> • type: Peripheral type; may be one of ["load", "hmi" or "io"] • sn: Serial number (string; optional) • driver: Driver id (blob; optional)
0x04	SwVersion	R	string	Current software version (including build number)
0x05	MaxVoltage	R	int	Maximum allowable input voltage (mV)
0x06	MaxCurrent	R	int	Maximum allowable input current (mA)
0x07	DefaultVSense	RW	int	<p>Voltage sense source on power-on:</p> <ul style="list-style-type: none"> • -1 = state at last power off • 0 = internal • 1 = external <p>This setting is persistent.</p>

0x08	DefaultMode	RW	int	<p>Operation mode on power-on:</p> <ul style="list-style-type: none"> • -1 = mode at last power off • 0 = Constant current • 1 = Constant voltage • 2 = Constant wattage <p>This setting is persistent.</p>
0x09	DefaultCurrent	RW	int	<p>Current limit value (for constant current mode) to apply on power on, in mA. -1 = last user specified value at power off</p>
0x0A	DefaultVoltage	RW	int	<p>Voltage limit value (for constant voltage mode) to apply at power on, in mV. -1 = last user specified value at power off</p>
0x0B	DefaultWattage	RW	int	<p>Wattage (for constant wattage mode) to apply at power on, in mW. -1 = last user specified value at power off</p>

Revision #3

Created 16 April 2022 20:49:04

Updated 29 May 2022 04:29:55