

9 API

The firmware of the WCC Lite features a built-in API which is accessible via the web interface. As of version 1.2.11, it does not implement any access restriction features apart from those provided by the firewall functionality.

Individual API endpoints can be enabled or disabled via the web configuration interface at Services>API.

All endpoints are disabled by default. Available API endpoints are shown in the table below.

Path	Description	Request body (encoded as "multipart-form-data")	Response body example (json format)
/api/version	Version of the API		<pre>{ "api_version": "2", "api_patch": "1", "sync_version": "lite1" }</pre>
/api/actions	List of available points		
/api/syncVersion	Version of the sync service		
/api/sync	Protocol hub configuration upload (key name="file"). Returns excel-utility output)*	<pre>{ "file": "config.xlsx" }</pre>	
/api/syslog	Prints out the syslog		
/api/systemInfo	General system info		
/api/gsmInfo	GSM modem information		
/api/devices	List of configured devices		
/api/device/info	Returns configured devices information. (key name="device_alias")**	<pre>{ "device_alias": "INV1" }</pre>	<pre>{ "devices": [{ "device_alias": "INV1", "name": "INV1", "protocol": "modbus rtu" }] }</pre>
/api/device/tags	List of tags of a particular configured device. (key name="device_alias")**	<pre>{ "device_alias": "INV1" }</pre>	<pre>{ "total_signals": "7", "signals": [{ "signal_name": "Active power", "source_device_alias": "", "input_topic": "tag/INV1/P/rin", "output_topic": "tag/INV1/P/out", "signal_alias": "P" }, ...] }</pre>
/api/device/tag/value	Returns tags value, name, timestamp, and flags of a particular device. (key name="device_alias", key name="signal_alias")**	<pre>{ "device_alias": "INV1", "signal_alias": "P" }</pre>	<pre>{ "total_signals": "1", "signal_values": [{ "signal_name": "Active power", "value": "5.9589999999999996", "timestamp": "1708000203824", "flags": "" }] }</pre>
/api/tags	List of configured tags		

/api/sysupgrade	Firmware upgrade. (key name="file")*		
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- * Endpoints accepting files (requires WCC Lite Firmware version 1.8 or newer)
- ** Endpoints accepting field data (requires WCC Lite firmware version 1.8 or newer)

The API accepts data and files as POST requests encoded as "multipart/formdata".

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