CCU Parameter List

For r4.4.3-0-g33e0f28c

CTEK E-Mobility AB

January 16, 2024

Contents

1 OCPP

AllowOfflineTxForUnknownId If this key reports a value of true, the station will accept any RFID tag when offline.
Default value: True
Type: boolean
Reset required after change: No

AuthorizationCacheEnabled summary
Default value: True
Type: boolean
Reset required after change: Yes

AuthorizationKey The HTTP Basic Authentication password for this station.
Default value:
Type: string
Reset required after change: No
Hexadecimal representation of the password that the Charging Station uses to authenticate itself if HTTP Basic authentication is used. Needs to be between 32 and 40 hexadecimal digits (ie password is 16-20 characters).

AuthorizeRemoteTxRequests Whether a remote request to start a transaction in the form of a RemoteStartTransaction.req message should be authorized beforehand like a local action to start a transaction.
Default value: False
Type: boolean
Reset required after change: No

AuthCacheLifeTime Indicates how long it takes (in s) until a token expires in the authorization cache since it is last used.
Default value: 2592000
Type: integer
Reset required after change: Yes
Defaults to 30 days.

LocalAuthListEnabled Enable / disable local authorization list (whitelist).
Default value: True
Type: boolean
Reset required after change: Yes

ChargeProfileMaxStackLevel Max StackLevel of a ChargingProfile. The number defined also indicates the max allowed number of installed charging schedules per Charging Profile Purposes.
Default value: 20
Type: integer
Readonly: Yes

ChargingScheduleAllowedChargingRateUnit A list of supported quantities for use in a ChargingSchedule. Allowed values: 'Current' and 'Power'.

Default value: Current
Type: CSL
Readonly: Yes

ChargingScheduleMaxPeriods Maximum number of periods that may be defined per ChargingSchedule.
Default value: 100
Type: integer
Readonly: Yes

ClockAlignedDataInterval Send metervalues at this time intervall in seconds. Non-transaction related.
Default value: 0
Type: integer
Reset required after change: No

ConnectionTimeOut Timeout between tag detection and cable insertion, or vice versa (seconds).
Default value: 180
Type: integer
Reset required after change: No

ConnectorPhaseRotation The phase rotation of the connectors compared to the grid. Calculated from other configuration keys. If you want to change this, please change the stations phase rotation by changing the key
`PhaseRotation`.
Default value:
Type: CSL
Reset required after change: Yes

HeartbeatInterval How often should heartbeat be sent. (seconds).
Default value: 240
Type: integer
Reset required after change: No
Not settable via local configuration tool. Set by backend in BootNotification.

GetConfigurationMaxKeys Maximum number of requested configuration keys in a GetConfiguration.req PDU.
Default value: number of parameters
Type: integer
Readonly: Yes

LightIntensity The intensity of the LED light in percent of maximum
Default value: 100
Value range: 0-100
Type: integer
Reset required after change: No

LocalAuthListMaxLength Maximum number of identifications that can be stored in the Local Authorization List.
Default value: 10000
Type: integer
Readonly: Yes

LocalAuthorizeOffline Whether the Charge Point, when offline, will start a transaction for locally-authorized identifiers.
Default value: True
Type: boolean
Reset required after change: No

LocalPreAuthorize Whether the Charge Point, when online, will start a transaction for locally-authorized identifiers without waiting for or requesting an Authorize.conf from the Central System
Default value: 1
Type: boolean
Reset required after change: No

MaxChargingProfilesInstalled Maximum number of Charging profiles installed at a time.
Default value: 80
Type: integer
Readonly: Yes

MaxEnergyOnInvalidId Maximum energy in Wh delivered when an identifier is invalidated by the Central System after start of a transaction.
Default value: 100000
Type: integer
Reset required after change: No
Previously, we allowed an unlimited amount of energy, thus, the default value mimics that behaviour by allowing 100 kWh.

MeterValuesAlignedData Selection of which metervalues to send. See OCPP specification.
Default value: Energy.Active.Import.Register
Type: CSL
Reset required after change: No

MeterValuesSampledData Selection of which metervalues to send. See OCPP specification.
Default value: Energy.Active.Import.Register
Type: CSL
Reset required after change: No

MeterValueSampleInterval Meter value sample interval (seconds). Transaction related metering.
Default value: 240
Type: integer
Reset required after change: No
Use 0 to disable.

MinimumStatusDuration Delay before sending (most) status notifications.
Default value: 2
Type: integer
Reset required after change: No
Used to avoid lots of notification when quickly moving through states.

NumberOfConnectors Number of outlets
Default value: 2
Type: integer
Readonly: Yes
0 is only for special cases (e.g GCU).

ReserveConnectorZeroSupported If this configuration key is present and set to true: Charge Point support reservations on connector 0.
Default value: False
Type: boolean
Readonly: Yes

ResetRetries Number of times to retry an unsuccessful reset of the Charge Point.
Default value: 0
Type: integer
Reset required after change: Yes
The station does no automatic retries.

SendLocalListMaxLength Maximum number of identifications that can be send in a single SendLocalList.req.
Default value: 500
Type: integer
Readonly: Yes

StopTransactionOnEVSideDisconnect Stop the transaction if the cable is detached from the EV.
Default value: True
Type: boolean
Reset required after change: No

StopTransactionOnInvalidId Stop an on-going session if the backend responds that the tag used was not acceptable.
Default value: False
Type: boolean
Reset required after change: No

StopTxnAlignedData Clock-aligned periodic measurand(s) to be included in the TransactionData element of StopTransaction.req MeterValues.req PDU for every ClockAlignedDataInterval of the Transaction
Default value:
Type: CSL
Reset required after change: Yes

StopTxnAlignedDataMaxLength Maximum number of items in a StopTxAlignedData Configuration Key. StopTxAlignedData is not supported.
Default value: 0
Type: integer
Readonly: Yes

StopTxnSampledData Sampled measurands to be included in the TransactionData element of StopTransaction.req PDU, every MeterValueSampleInterval seconds from the start of the charging session.
Default value:
Type: CSL
Reset required after change: Yes

StopTxnSampledDataMaxLength Maximum number of items in a StopTxSampledData Configuration Key. StopTxSampledData is not supported.
Default value: 0
Type: integer
Readonly: Yes

SupportedFeatureProfiles A list of supported Feature Profiles. Possible profile identifiers: Core, FirmwareManagement, LocalAuthListManagement, Reservation, SmartCharging and RemoteTrigger.
Default value: Core, FirmwareManagement, LocalAuthListManagement, Reservation, SmartCharging, RemoteTrigger
Type: CSL
Readonly: Yes

SupportedFileTransferProtocols List of supported file transfer protocols.
Default value: FTP, FTPS, SFTP
Type: CSL
Readonly: Yes

TransactionMessageAttempts Number of attempts to send transaction related messages.
Default value: 9999
Type: integer
Reset required after change: No
Not implemented

TransactionMessageRetryInterval Delay between attempts to resend transaction related messages.
Default value: 300
Type: integer
Reset required after change: No

UnlockConnectorOnEVSideDisconnect Unlock the connector when the cable is detached from the EV.
Default value: 1
Type: boolean

Reset required after change: No

WebSocketPingInterval Ping-pong interval in seconds for the websocket
Default value: 30
Type: integer
Reset required after change: Yes
0 to disable. A value of 1-4 will be treatad as a 5. Any other value is interpreted as the interval.

2 CTEK's own

AllowOfflineTxWithoutId When true, set the Charging Station in open mode, ie not requiring an RFID tag, when the Charging Station is offline.
Default value: False
Type: boolean
Reset required after change: No

chargeboxidentity System identity.
Default value: ccu
Type: string
Reset required after change: Yes
Must be matched with backend system.

endpoint URL to the backend endpoint.
Default value: wss://www.oamportal.com/Ocpp/websocket
Type: string
Reset required after change: Yes

CustomizationCtrlEnabled List of enabled customization
Default value:
Value range: se.chargestorm.extendedauth,com.ctek.ngclientstatus
Type: CSL
Reset required after change: Yes
Activate an OCPP customization by adding to this list.

CustomizationCtrlSupported List of supported customization
Default value: se.chargestorm.extendedauth,se.chargestorm.license,se.chargestorm.ng.fileops
Type: CSL
Readonly: Yes
Get a list of supported customization by reading the key.
`com.ctek.ngclientstatus` lets the NANOGRID™ controller send updates when clients goes offline/online.
`se.chargestorm.extendedauth` controls the EVSE specific authentication support.
`se.chargestorm.license` states that the CS supports installation of a license file (does not need to be enabled).
`se.chargestorm.ng.fileops` states that the CS supports installation, removal, and retrieval of the NANOGRID™ configuration file (does not need to be enabled).
`com.ctek.ng.fw` states that the CS (NANOGRID™ controller) supports installation of FW updates on connected clients.

DelayedChargingRandomRange Disable charging for a random time after a reset/restart. This key determines the range for the randomized timeout.
Default value: 30
Value range: 0 disables the delay. Otherwise, delay in seconds.
Type: integer
Reset required after change: Yes

UnavailableOnInvalidTime Prevent charging when system time is invalid.
Default value: False
Type: boolean
Reset required after change: Yes

UnavailableWhenTxnStartNotPossible When set to true, an EVSE will go to state Unavailable when it is detected that no conditions for being able to start a new charging session are met. NOTE: This parameter is overruled by FaultedWhenTxnStartNotPossible.
Default value: False
Type: boolean
Reset required after change: Yes
Conflicting parameters: Authmode=0, FaultedWhenTxnStartNotPossible=True, LocalAuthListEnabled=True, AuthorizationCacheEnabled=True, LocalAuthorizeOffline=True, AllowOfflineTxForUnknownId=True

FaultedWhenTxnStartNotPossible When set to true, an EVSE will go to state Faulted when it is detected that no conditions for being able to start a new charging session are met. NOTE: This parameter overrules UnavailableWhenTxnStartNotPossible.
Default value: False
Type: boolean
Reset required after change: Yes
Conflicting parameters: Authmode=0, UnavailableWhenTxnStartNotPossible=True, LocalAuthListEnabled=True, AuthorizationCacheEnabled=True, LocalAuthorizeOffline=True, AllowOfflineTxForUnknownId=True

KeepGreenPlugLitWhenUnavailable If this parameter is true, the green plug symbol for a connector is lit when the connector is in state Unavailable. If the parameter is false, all LED symbols for a connector is turned off when it is in state Unavailable.
Default value: False
Type: boolean
Reset required after change: Yes

fuse Maximum fuse current rating for the whole system.
Default value: 16
Value range: Typical values 16/20/25
Type: integer
Reset required after change: Yes

PhaseRotation Specifies how the station is electrically connected to the grid
Default value: RST
Type: enumeration
Reset required after change: Yes
A combination of one or more of R, S, T. R denotes L1, S L2, and T L3. x denotes a phase that is not connected.

localcontroller Enable NanoGrid; Load Balancing.
Default value: 0
Value range: 0/1/2

Type: integer
Reset required after change: Yes
0=No NanoGrid, 1=Full NanoGrid, 2=Home NanoGrid
License: extra license option is required!

IsLocalController System is acting as a local controller
Default value: False
Type: boolean
Readonly: Yes
Indicates if the system is a local controller, either as a master unit or a dedicated grid controller (read-only).
License: extra license option is required!

LicenseList List of licensed options.
Default value:
Type: CSL
Readonly: Yes

localproxy Local Proxy. This station will act as a proxy for other stations.
Default value: False
Type: boolean
Reset required after change: Yes
License: extra license option is required!

modemtemperature Send modem temperature over OCPP.
Default value: False
Type: boolean
Reset required after change: Yes

ConnectedNGCIdentity Connected NanoGrid controller identity.
Default value: N/A
Type: string
Readonly: Yes

ngcidentity Charging station identity of the NanoGrid controller.
Default value:
Type: string
Reset required after change: Yes
Leave empty for autodetection. Other values should rarely be used.

NanoGridControllerSecurity Setting for NanoGrid security.
Default value: none
Value range: none/PSK
Type: CSL
Reset required after change: Yes
Use PSK for pre-shared key or none for no security.

NanoGridClientPresharedKey Pre-shared key for NanoGrid security.
Default value:
Type: string
Reset required after change: Yes
16-128 bytes long hexadecimal PSK(pre-shared key).

nghome/meter_current Nanogrid Home modbus energy meter current on phases L1, L2 and L3.
Default value: N/A
Type: string
Readonly: Yes

nghome/meter_serialno Nanogrid Home modbus energy meter serial
Default value: N/A
Type: string
Readonly: Yes
Serial number of the nanogrid home energy meter

nghome/meter_totalenergy Nanogrid Home modbus energy meter total energy
Default value: N/A
Type: string
Readonly: Yes
Total energy value of the nanogrid home energy meter

NtpServerUri Uri to the selected ntp server.
Default value: 0.chargestorm.pool.ntp.org
Type: string
Reset required after change: Yes

onlinetimeout Online Timeout (Minutes). How long to wait before rebooting due to no connectivity.
Default value: 1440
Type: integer
Reset required after change: Yes
Set to 0 to disable.

availability Charging enabled
Default value: 0.Operative, 1.Operative, 2.Operative
Type: CSL
Readonly: Yes
Should be changed through the ChangeAvailability.req.

outlet/1/authmode Authentication Mode.
Default value: 0
Type: integer
Reset required after change: No
0=open, 1=closed

outlet/1/contactor_cycle_count Contactor Cycle Count for the first outlet
Default value:
Type: CSL
Readonly: Yes
Comma seperated list containing two values, the first is the number of contactor cycles (shut->open) that has happened with no load (< 0.2A), the second value is with load.

outlet/1/connections Connections, phase connections
Default value:
Type: CSL
Readonly: Yes
Comma seperated list descrbing the phase connections. 1,0,0 means phase 1 is connected on inlet 1. 1,2,3 means phase 1 is connected on inlet 1 etc. 3,0,0 means phase 3 is connected on inlet 1.
Deprecated: This parameter is deprecated. Use PhaseRotation to specify how the station is connected to the grid.

outlet/1/opentag Open Tag; what tag to report when authmode is open.
Default value: 0
Type: string
Reset required after change: Yes

outlet/1/fallback_current In NanoGrid installations, allowed charging current when the connection to the controller is lost.
Default value: 0
Type: integer
Readonly: Yes

outlet/1/fallback_output In NanoGrid installations, which phase to use when the connection to the controller is lost.
Default value: 1
Type: integer
Reset required after change: Yes
Only valid for phase switching stations. 0 - disabled, 1 - 3 phase, 2 - only L1, 3 - only L2, 4 - only L3.

outlet/1/session_energy_limit Upper limit for charging session, will stop charging once reached, first outlet
Default value: 0
Type: integer
Reset required after change: Yes
Energy Limit (kWh), set to 0 to disable

outlet/1/meter_serialno First modbus energy meter serial
Default value: N/A
Type: string
Readonly: Yes

Serial number of the first outlet modbus energy meter

outlet/1/meter_totalenergy First outlet modbus energy meter total energy
Default value: N/A
Type: number
Readonly: Yes
Total energy value of the first outlet modbus energy meter

outlet/1/allow_charging_on_lock_error Allow/prohibit charging on lock errors, first outlet
Default value: True
Type: boolean
Reset required after change: Yes

outlet/1/keep_cable_locked Keep the cable locked between sessions.
Default value: False
Type: boolean
Reset required after change: Yes
Only valid for stations without fixed cable.

outlet/2/authmode Authentication Mode.
Default value: 0
Type: integer
Reset required after change: No
0=open, 1=closed

outlet/2/contactor_cycle_count Contactor Cycle Count for the second outlet
Default value:
Type: CSL
Readonly: Yes
Comma seperated list containing two values, the first is the number of contactor cycles (shut->open) that has happened with no load (< 0.2A), the second value is with load.

outlet/2/connections Connections, phase connections
Default value:
Type: CSL
Readonly: Yes
Comma seperated list descrbing the phase connections. 1,0,0 means phase 1 is connected on inlet 2. 1,2,3 means phase 1 is connected on inlet 1 etc. 3,0,0 means phase 3 is connected on inlet 2.
Deprecated: This parameter is deprecated. Use PhaseRotation to specify how the station is connected to the grid.

outlet/2/opentag Open Tag; what tag to report when authmode is open.
Default value: 0
Type: string
Reset required after change: Yes

outlet/2/fallback_current In NanoGrid installations, allowed charging current when the connection to the controller is lost.
Default value: 0
Type: integer
Reset required after change: Yes

outlet/2/fallback_output In NanoGrid installations, which phase to use when the connection to the controller is lost.
Default value: 1
Type: integer
Reset required after change: Yes
Only valid for phase switching stations. 0 - disabled, 1 - 3 phase, 2 - only L1, 3 - only L2, 4 - only L3.

outlet/2/session_energy_limit Upper limit for charging session, will stop charging once reached, second outlet
Default value: 0
Type: integer
Reset required after change: Yes
Energy Limit (kWh), set to 0 to disable

outlet/2/meter_serialno Second modbus energy meter serial
Default value: N/A
Type: string
Readonly: Yes
Serial number of the second outlet modbus energy meter

outlet/2/meter_totalenergy Second outlet modbus energy meter total energy
Default value: N/A
Type: number
Readonly: Yes
Total energy value of the second outlet modbus energy meter

outlet/2/allow_charging_on_lock_error Allow/prohibit charging on lock errors, second outlet
Default value: True
Type: boolean
Reset required after change: Yes

outlet/2/keep_cable_locked Keep the cable locked between sessions.
Default value: False
Type: boolean
Reset required after change: Yes
Only valid for stations without fixed cable.

phasesequence Report phase sequence. (Clockwise L1-L2-L3, counterclockwise L1-L3-L2)
Default value: N/A
Type: CSL

Readonly: Yes
This is only supported with a few energy meters.

pingreboot/retries Retries before lost connectivity is signaled.
Default value: 3
Type: integer
Reset required after change: Yes
Primarily of use for modem connected stations.

pingreboot/server Ping server. Used to verify connectivity.
Default value: 8.8.8.8
Type: string
Reset required after change: Yes
Primarily of use for modem connected stations.

pingreboot/timeout Number of minutes between ping attempts.
Default value: 15
Type: integer
Reset required after change: Yes
Primarily of use for modem connected stations.

progtags Programming tag
Default value:
Type: CSL
Reset required after change: Yes
Tag that can be used to put the station in programming mode, in order to add more local tags manually.

protocol Backend communication Protocol
Default value: NONE
Value range: NONE, OCPP16J, OCPP16
Type: CSL
Reset required after change: No
OCPP16 is an alias to OCPP16J, but please use OCPP16J.
License: OCPP16J

relayscheduler Enable relay scheduler.
Default value: False
Type: boolean
Reset required after change: Yes
Do not enable unless requested.

relay/1/starttime Start time for relay 1
Default value: 0
Value range: hh:mm
Type: string
Reset required after change: Yes

Not used on most chargers.

relay/1/stoptime Stop time for relay 1
Default value: 0
Value range: hh:mm
Type: string
Reset required after change: Yes
Not used on most chargers.

relay/2/starttime Start time for relay 2
Default value: 0
Value range: hh:mm
Type: string
Reset required after change: Yes
Not used on most chargers.

relay/2/stoptime Stop time for relay 2
Default value: 0
Value range: hh:mm
Type: string
Reset required after change: Yes
Not used on most chargers.

resetresume Resume on Reset. When rebooted, allow charging for a short period.
Default value: True
Type: boolean
Reset required after change: Yes
Ignored if zeready is enabled, will then always be used.

resetresumetransactiontimeout Resume transoction on reset timeout (s). When rebooted, start a new transaction with the previous credential, if the last saved update is within this timeout.
Default value: 360
Type: integer
Reset required after change: Yes
Requires either resetresume or zeready to be enabled.

RfidEnabled Should the RFID reader be enabled.
Default value: True
Type: boolean
Reset required after change: No
false - disable RFID reader, true - enable the reader. If enabled, the reader(s) will anyway be disabled if all EVSE's are in open state.

sshPort Port for the SSH service interface.
Default value: 22
Value range: 1 - 65535. 0 disables SSH access.
Type: integer

Reset required after change: Yes

systemnotifiertimeout System Notification Timeout (seconds)
Default value: 0
Type: integer
Reset required after change: Yes

TimeSource List of selected time sources.
Default value: heartbeat, ntp
Value range: heartbeat, ntp
Type: CSL
Reset required after change: No
Only the first source is used continously. There are only three supported configurations: 'heartbeat', 'heartbeat, ntp', and 'ntp'.

TransmitSecurityEvents Filter what security events are sent to the backend.
Default value: none
Value range: none/important/all
Type: enumeration
Reset required after change: Yes
none: No security events are sent to backend. important: The most critical events are sent to the backend. all: All security events are sent to the backend.

ups Do not charge when UPS xxxx
Default value: False
Type: boolean
Reset required after change: Yes

zeready Make the station ZE Ready compliant.
Default value: False
Type: boolean
Reset required after change: Yes
Check with ChargeStorm for implications.

tampering_enabled Enable tampering detection.
Default value: False
Type: boolean
Reset required after change: Yes
Tampering events will be stored in the secure log and sent via OCPP SecurityEventNotification.

IsoStandard ISO 15118 support
Default value: none
Value range: none/ISO11518-2/ISO11518-20
Type: enumeration
Reset required after change: Yes
which ISO 15118 is supported

3 Automation

Automation/MqttEnabled Enable the automation interface (MQTT).
Default value: False
Type: boolean
Reset required after change: Yes
This will enable the automation interface. Currently, this will send energy meter readings, info, and EVSE status info to the MQTT broker

Automation/MqttServer The address / IP address of the MQTT broker.
Default value:
Type: string
Reset required after change: Yes
An empty string will use the internal MQTT broker on the Charging Station itself.

Automation/MqttPort The port number that the MQTT broker listens on.
Default value: 1883
Value range: 1 - 65535.
Type: integer
Reset required after change: Yes
Defaults to 1883.

Automation/MqttLogin A username / login for the MQTT broker.
Default value:
Type: string
Reset required after change: Yes
Leave empty if no username / login is required.

Automation/MqttPassword MQTT broker password
Default value:
Type: string
Reset required after change: Yes
Leave empty if no password is required.

Automation/MqttBaseTopic The base topic (prefix) that should be used.
Default value:
Type: string
Reset required after change: Yes
If left empty, CTEK, will be used as the base topic (prefix).

Automation/ModbusTCPEnable Enable Modbus TCP, which exposes internal energy meter data via the modbus protocol
Default value: False
Type: boolean
Reset required after change: Yes
Uses port 502. The Unit Identifier in the modbus request is used to select energy meter: 1: EVSE1 2: EVSE2

Automation/UpdateInterval The update interval, in seconds, currently only used with MQTT.
Default value: 10
Type: integer
Reset required after change: Yes
Depending on the type of energy meter, you might either get identical meter data or the update frequency might be lower.

4 Network

gateway Gateway
Default value:
Type: string
Reset required after change: Yes

nameserver Nameserver 1
Default value: 8.8.8.8
Type: string
Reset required after change: Yes

nameserver2 Nameserver 2
Default value: 8.8.4.4
Type: string
Reset required after change: Yes

wan Upstream network interface.
Default value: eth0
Value range: eth0/ppp0/wlan0/wwan0
Type: enumeration
Reset required after change: Yes
Note: wwan0 is only supported from r2.7.7.6.

interface/config/firewall/ssh Enable ssh on configuration interface
Default value: False
Type: boolean
Reset required after change: Yes

interface/eth/firewall/ssh Enable ssh on ethernet interface(s)
Default value: False
Type: boolean
Reset required after change: Yes

interface/eth/firewall/webui Enable web UI on ethernet interface(s)
Default value: False
Type: boolean
Reset required after change: Yes

interface/eth0/autoneg Autonegotiation
Default value: True
Type: boolean
Reset required after change: Yes
Leave disabled unless requested.

interface/eth0/duplex Force duplex.
Default value: full

Type: enumeration
Reset required after change: Yes
Ignored if autoneg is enabled.

interface/eth0/ip IP Address
Default value:
Type: string
Reset required after change: Yes

interface/eth0/method eth0
Default value: dhcp
Value range: none/dhcp/manual
Type: enumeration
Reset required after change: Yes

interface/eth0/netmask Netmask
Default value:
Type: string
Reset required after change: Yes

interface/eth0/speed Force speed.
Default value: 100
Value range: 10/100
Type: integer
Reset required after change: Yes
Ignored if autoneg is enabled.

interface/eth0/dhcpServer Enable DHCP server on eth0.
Default value: False
Type: boolean
Reset required after change: Yes
The DHCP server will only be enabled if localproxy is enabled (and licensed), WAN is set to either wwan0 or ppp0, and eth0 has a static IP configuration.
License: extra license option is required!

interface/eth0/dhcpServerRangeBegin Start of the DHCP IP address range.
Default value:
Type: string
Reset required after change: Yes
The DHCP server will only be enabled if localproxy is enabled (and licensed), WAN is set to either wwan0 or ppp0, and eth0 has a static IP configuration.
License: extra license option is required!

interface/eth0/dhcpServerRangeEnd End of the DHCP IP address range.
Default value:
Type: string
Reset required after change: Yes

The DHCP server will only be enabled if localproxy is enabled (and licensed), WAN is set to either wwan0 or ppp0, and eth0 has a static IP configuration.
License: extra license option is required!

interface/eth1/autoneg Autonegotiation
Default value: True
Type: boolean
Reset required after change: Yes
Leave disabled unless requested.

interface/eth1/duplex Force duplex.
Default value: full
Value range: half/full
Type: enumeration
Reset required after change: Yes
Ignored if autoneg is enabled.

interface/eth1/ip IP Address
Default value:
Type: string
Reset required after change: Yes

interface/eth1/method Configuration metho
Default value: dhcp
Value range: none/dhcp/manual
Type: enumeration
Reset required after change: Yes

interface/eth1/netmask Netmask
Default value:
Type: string
Reset required after change: Yes

interface/eth1/speed Force speed.
Default value: 100
Value range: 10/100
Type: integer
Reset required after change: Yes
Ignored if autoneg is enabled.

interface/ppp0/firewall/ssh Enable ssh on PPP interface
Default value: False
Type: boolean
Reset required after change: Yes

interface/ppp0/apn APN for the modem, primary for use with PPP.
Default value:

Type: string
Reset required after change: Yes

interface/ppp0/ip IP Address
Default value:
Type: string
Reset required after change: Yes
Usually empty.

interface/ppp0/method Use DHCP or not for the PPP link.
Default value: dhcp
Value range: dhcp, manual
Type: enumeration
Reset required after change: Yes
Do not modify unless instructed to do so.

interface/ppp0/netmask Netmask
Default value:
Type: string
Reset required after change: Yes
Usually empty.

interface/ppp0/password Password
Default value:
Type: string
Reset required after change: Yes
Usually empty.

interface/ppp0/rat Selection for radioi technology; force 2G / 4G / auto.
Default value: 3G
Value range: auto/2G/4G
Type: enumeration
Reset required after change: Yes
Intended to be used with our LTE/4G modems.
Should not be changed from 3G for the 3G modems!

interface/ppp0/username Username
Default value:
Type: string
Reset required after change: Yes
Usually empty.

interface/wlan0/firewall/ssh Enable ssh on WLAN interface
Default value: False
Type: boolean
Reset required after change: Yes

interface/wlan0/firewall/webui Enable web UI on WLAN interface
Default value: False
Type: boolean
Reset required after change: Yes

interface/wlan0/channel Channel
Default value:
Type: integer
Reset required after change: Yes

interface/wlan0/ip IP Address
Default value:
Type: string
Reset required after change: Yes

interface/wlan0/method Configuration method
Default value: dhcp
Value range: none/dhcp/manual
Type: enumeration
Reset required after change: Yes

interface/wlan0/mode Mode
Default value: client
Value range: none/client/ap
Type: enumeration
Reset required after change: Yes

interface/wlan0/netmask Netmask
Default value:
Type: string
Reset required after change: Yes

interface/wlan0/passphrase Passphrase
Default value:
Type: string
Reset required after change: Yes

interface/wlan0/ssid SSID
Default value:
Type: string
Reset required after change: Yes

interface/wwan0/firewall/ssh Enable ssh on WWAN interface
Default value: False
Type: boolean
Reset required after change: Yes

interface/wwan0/apn APN for wwan-mode
Default value:
Type: string
Reset required after change: Yes
Has interface/ppp0/apn as fallback.

ModemFirmware Currently running modem firmware.
Default value: N/A
Type: string
Readonly: Yes
Currently running modem firmware (read-only).

5 Internal development and debugging

persistentlogging Enable system logging to flash.
Default value: False
Type: boolean
Reset required after change: Yes
Leave disabled unless requested.

LogLevel Log level of system log.
Default value: info
Value range: emerg/alert/crit/err/warning/notice/info/debug
Type: enumeration
Reset required after change: No

platform/demo Demo mode activation
Default value: False
Type: boolean
Reset required after change: Yes
false=Regular operation, true=Demo mode. In demo mode a virtual board wil be used that emits random mode changes and fuse states. Note that the regular configuration will still apply. E.g a disabled fuse check will remove the fuse trips and required authentication will prevent the station from entering any session state.

development/delayed_modbus ???
Default value: False
Type: boolean
Reset required after change: Yes
Do not enable unless instructed.

6 HW

ChargingStationModel Charging station model
Default value: N/A
Type: string
Readonly: Yes
The model name of the charging station

ChargingStationModelVersion Charging station model version
Default value: N/A
Type: string
Readonly: Yes
The model version of the charging station

ChargingStationVendor Charging station vendor
Default value: N/A
Type: string
Readonly: Yes
The vendor of the charging station

FirmwareVersion Firmware version
Default value: N/A
Type: string
Readonly: Yes
The current version of the firmware installed on the CCU

hw_rev Hardware revision
Default value: N/A
Type: string
Readonly: Yes
The hardware revision of the CCU

platform/hwfeatures/lcd LCD presence
Default value: False
Type: boolean
Readonly: Yes
false=No LCD present, true=LCD present

platform/hwfeatures/tampering Tampering sensor presence
Default value: False
Type: boolean
Readonly: Yes
false=Tampering sensor not present, true=Tampering sensor present

platform/hwfeatures/PlcModem Plc Modem is present on device
Default value: none
Value range: none/Insys/lumisil

Type: enumeration
Readonly: Yes
none= no modem pressent, Insys= insys modem present, lumisil= lumisil modem present

platform/hwfeatures/mcu_version Installed MCU Firmware Version
Default value: 2
Type: integer
Readonly: Yes

platform/hwfeatures/rfid_devices Number of RFID devices
Default value: 0
Value range: 0/1/2
Type: integer
Readonly: Yes

platform/hwfeatures/rfid_type RFID reader hardware
Default value: 0
Value range: 0/1/2
Type: integer
Readonly: Yes
0=RS485, 1=I2C based, 2 = Chargestorm Connected

mfgdate Manufacture date
Default value: N/A
Type: string
Readonly: Yes
String containing the year and date the CCU was manufactured

platform/outlet/1/connector First connector type
Default value: 2
Type: integer
Readonly: Yes
0=Schuko, 1=Type 1, 2=Type 2 Cable, 3=Type 2 Outlet

platform/outlet/1/contactor_check Check Contactor
Default value: False
Type: boolean
Readonly: Yes
Check if the contactor is in the proper state (requires appropiate hardware

platform/outlet/1/ConnectorPhaseRotation Specifies how the EVSE connector is electrically connected internally in the station. Relates to outlet/1/EvsePhaseRotation.
Default value: RST
Type: enumeration
Readonly: Yes

A combination of one or more of R, S, T. R denotes L1, S L2, and T L3. x denotes a phase that is not connected.

platform/outlet/1/EvsePhaseRotation Specifies how the EVSE is electrically connected internally in the station. Relates to StationPhaseRotation.
Default value: RST
Type: enumeration
Readonly: Yes
A combination of one or more of R, S, T. R denotes L1, S L2, and T L3. x denotes a phase that is not connected.

platform/outlet/1/ACPhaseSwitchingSupported Specifies whether the EVSE is capable of selecting which phase to connect to the EV for 1 phase charging.
Default value: False
Type: boolean
Readonly: Yes

platform/outlet/1/energymeter First energy meter type
Default value: -1
Type: integer
Readonly: Yes
-1=None, 0=Trafo Meter, 1=Pulse Meter, 2=Modbus Meter

platform/outlet/1/fuse Fuse Rating
Default value: 16
Type: integer
Readonly: Yes
Rating of the outlet fuse

platform/outlet/1/fuse_check Check for fuse trip
Default value: True
Type: boolean
Readonly: Yes
Should the system detect if the fuse has been tripped? false=Disabled, true=Enabled

platform/outlet/1/phases Number of phases
Default value: 1
Value range: 1/3
Type: integer
Readonly: Yes

platform/outlet/1/plug_lock_engine Lock engine type
Default value: 1
Type: integer
Readonly: Yes
0=None, 1=Motor w/o feedback, 2=Motor with feedback, 3=Solenoid. NOTE: only applicable

for type 2 outlets

platform/outlet/1/energy_div Energy divider
Default value: 1000
Type: integer
Readonly: Yes
Number of pulses to 1 kWh when using a pulse meter

platform/outlet/2/connector Second connector type
Default value: 2
Type: integer
Readonly: Yes
0=Schuko, 1=Type 1, 2=Type 2 Cable, 3=Type 2 Outlet

platform/outlet/2/contactor_check Check Contactor
Default value: False
Type: boolean
Readonly: Yes
Check if the contactor is in the proper state (requires appropiate hardware

platform/outlet/2/ConnectorPhaseRotation Specifies how the EVSE connector is electrically connected internally in the station. Relates to outlet/2/EvsePhaseRotation.
Default value: RST
Type: enumeration
Readonly: Yes
A combination of one or more of R, S, T. R denotes L1, S L2, and T L3. x denotes a phase that is not connected.

platform/outlet/2/EvsePhaseRotation Specifies how the EVSE Energy Meter is electrically connected internally in the station. Relates to StationPhaseRotation.
Default value: RST
Type: enumeration
Readonly: Yes
A combination of one or more of R, S, T. R denotes L1, S L2, and T L3. x denotes a phase that is not conn

platform/outlet/2/ACPhaseSwitchingSupported Specifies whether the EVSE is capable of selecting which phase to connect to the EV for 1 phase charging.
Default value: False
Type: boolean
Readonly: Yes

platform/outlet/2/energymeter Second energy meter type
Default value: -1
Type: integer
Readonly: Yes
-1=None, 0=Trafo Meter, 1=Pulse Meter, 2=Modbus Meter

platform/outlet/2/fuse Fuse Rating
Default value: 16
Type: integer
Readonly: Yes
Rating of the outlet fuse

platform/outlet/2/fuse_check Check for fuse trip
Default value: True
Type: boolean
Readonly: Yes
Should the system detect if the fuse has been tripped? false=Disabled, true=Enabled

platform/outlet/2/phases Number of phases
Default value: 1
Value range: 1/3
Type: integer
Readonly: Yes

platform/outlet/2/plug_lock_engine Lock engine type
Default value: 1
Type: integer
Readonly: Yes
0=None, 1=Motor w/o feedback, 2=Motor with feedback, 3=Solenoid. NOTE: only applicable for type 2 outlets

platform/outlet/2/energy_div Energy divider
Default value: 1000
Type: integer
Readonly: Yes
Number of pulses to 1 kWh when using a pulse meter

platformdriver Platform driver
Default value: R1.0
Type: string
Readonly: Yes
Platform driver for the CCU board

platform/system/rfid_format RFID Format
Default value: true
Type: boolean
Readonly: Yes
true=Little Endian, false= Big Endian CONFIRM

serialno Serial number
Default value: N/A
Type: string

Readonly: Yes
Serial number of the CCU