

# 32 WCC Lite internal signals

## Overview

The WCC Lite contains several internal data points for readout and control which can be accessed via the Pooler service.

## Configuration

### Devices section

In the devices section, only the protocol, scan\_rate\_ms and poll\_delay\_ms are to be configured for this type of device.

#### WCC Lite internal signals

Parameter	Type	Description	Required	Default Value (when not specified)	Range
name	string	User-friendly device name	Yes		
device_alias	string	Alphanumeric string to identify a device	Yes		
protocol		Protocol identifier Internal data	Yes		<b>Internal data</b>
scan_rate_ms	integer	Update rate	No	60000	
poll_delay_ms	integer	Poll delay	No	200	



It is advised to set scan\_rate\_ms to a value greater than 5000 ms as frequent scans may result in significant overload of the pooler process.

## Signals section

tag\_job defines the tag job. This can be set to gpio, board, netstat, led and process. tag\_job\_todo defines the job sub job. This field should address the particular point of interest.

job_todo	Description	tag_job_todo	Description
gpio	Get GPIO	GPIO number	Use number 11 for onboard digital input; SIM select 12; SIM detect 20
	Set GPIO	[integer][1/0]	Set gpio number to high or low
		active-sim-iccid	Active SIM ICCID
		active-sim	Active SIM card
		cpu-usage	CPU usage
		duid	DUID
		fw-version	Firmware version
		gsm-available-rat	GSM available radio access technologies
		gsm-current-rat	GSM current radio access technology
		gsm-current-rat-num	GSM current radio access technology identifier
		gsm-imsi	GSM IMSI number

board	Board info	gsm-internet-status	GSM Internet status
		internet-status	Same as gsm-internet-status
		gsm-network-reg-status	GSM network register status
		gsm-operator	GSM operator
		gsm-operator-num	GSM operator number
		gsm-roaming-status	GSM roaming status
		gsm-selected-rat	GSM selected rat
		gsm-service-provider	GSM service provider
		gsm-signal-quality	GSM signal quality
		gsm-signal-quality-num	GSM signal quality (dBm)
		gsm-sig-quality	Same as gsm-signal-quality-num
		hostname	Hostname
		hw-info	Hardware information
		modem-imei	Modem IMEI number
		modem-manufacturer	Modem manufacturer name
		modem-model	Modem model
		modem-type	Modem type
		ram-usage	RAM usage
		sim-status	SIM card status
		uuid	UUID
netstat[[interface]	Network statistics	TX	Bytes transferred
		RX	Bytes received
smsstat	SMS statistics	received	SMS received
		sent	SMS sent
		call	SMS call
		failed	SMS failed
		ath9k-phy0	WLAN LED
		wcclite:blue:heartbeat	Status LED
		wcclite:blue:wlan	WLAN LED
		wcclite:green:eth0	ETH0 LED

led	LED status/control	wcclite:green:eth1	ETH1 LED
		wcclite:green:signal1	Signal 1 LED
		wcclite:green:signal2	Signal 2 LED
		wcclite:green:signal3	Signal 3 LED
		wcclite:gsm-rst	GSM LED
		wcclite:red:fault	Fault LED
		wcclite:rs232-en	RS LED
		wcclite:relay	Relay LED & Output
process	Check if process is running	[process name]	1 or 0 is returned



Assigning source signals to tags other than wcclite:relay may cause undesirable effects. Signals other than wcclite:relay should be used for monitoring only.

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