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		**Internal data**
scan_rate_ms	integer	Update rate	No	60000	
poll_delay_ms	integer	Poll delay	No	200	

> ℹ️ 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.