



Pic.: Frequency-Map based on WeMOTA datalogging



More Information:

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Datalogger and Controller ECU

Vehicle network-optimized ECU
for data logging, gateways,
control applications and
Edge-Computing in vehicles
or test fleets

WeMOTA G2 mini

WeMOTA G2 mini

Hardware Specification:

- Supply Voltage: 6V ... 36V
- Temperature Range: -40°C ... +70°C
- Current Consumption: <1.0A (12V), 0.5A (24V)
- Dimension: 215mm x 150mm x 30/38mm
- Weight: about 850 g
- Standards, Approvals: **CE**, **FC**, CRC Colombia
- 18 x CAN-2.0 and CAN-FD Interfaces
- 4 x 1 Gbit Ethernet Interface
- 1 x 100 Mbit Ethernet Interface
- 1 x 1000Base-T1 Ethernet Interface
- 6 x 100Base-T1 Ethernet Interface (SJA1110 Switch)
- 2 x USB Interface
- 2 x FlexRay® Interface
- 8 x LIN-Interface
- SD-card Interface
- RTC Real Time Clock
- NXP-S32G274 CPU:

4 ARM® Cortex® A53 64-bit cores,

3 ARM® Cortex® M7 cores,

4 GB RAM

- Up to 1TB industrial grade SSD drive
- Noiseless Passive Cooling
- customer specific Wiring Harnesses
- optional 4G LTE or 5G Modem with GNSS/GPS
- optional TFT-Touchscreen Display



WeMOTA G2 mini

Datalogger Software:

- Create or edit measurement configurations with our WeMOTA-Frontend (portable software, no installation necessary)
- Import many different network description databases
- WeMOTA can handle multiple measurement tasks
- Diagnostics can be performed via CAN, CCP, XCP and UDS protocol
- Seed and Key with standard DLL-Files supported
- Multiple measuring triggers possible
- Camera interface and recording triggers can be configured
- Different output data formats supported

The screenshot shows the WeMOTA web interface. At the top, there is a header with the 'Weiß ELEKTRONIK & SOFTWARE' logo and contact information. Below the header are navigation buttons for 'Upload data request file', 'Download Vehicledata', 'Generate new Query', and 'Select new interval'. There are also buttons for 'ECHO_C2C', 'ECHO_NG', 'Fleetboard_C2C', 'WEMOTA G1', and 'WEMOTA G2'. The main content area is a table titled 'Datalogger : ECHO_NG'. The table has columns for ID, Device ID, Name, Last Update, Status, and Actions. The table contains four rows of data.

ID	Device ID	Name	Last Update	Status	Actions
118	162276581058	HT4507	13.09.2022 02:15	358 / 18	Get data Request new data 38M o
114	162276581059	HT4508	13.09.2022 03:37	314 / 15	Get data Request new data 22H 38M o
115	162276581062	TM2020_NGC_#12	1.09.2022 13:03	108 / 18	Get data Request new data 5D 01H 10M o
116	162276581066	Scrapped in USA	No uploads:	0 / 0	

WeMOTA Cloud:

- Over the air software updates possible
- Send configurations via WeMOTA cloud server
- Overview of the operating status of all your devices
- Summary of recent measurements
- Which of your devices are currently online and which ones have not been used for how long
- Configure device settings
- Select special result files or result files of a specific time for download
- Script controlled download of measurement results is also possible
- Download: Video files; GPS data or even a map with actual GPS location or travelled route of the device; User-specific evaluations; Recorded CAN data; recorded diagnostic data; DTC-Readout, ...
- Customer specific postprocessing possible, e.g. Load collective evaluation; Artificial intelligence algorithms; Statistics; Dashboards; Maps with custom specific data, ...