REXLIBRARY

Grafana

aws

Remote Dashboard Configuration

REXGEN PRO

4 CAN - 2 LIN

32GB eMMC CAN FD Support

Multi-Layer Architecture

Now Supporting

UDS CCP XCP MF4

WiFi

Configurable Wi-Fi Software

Bluetooth

CAN to Cloud

Secure & Certified

NXP

Hardware Enhanced Security

UN R155 Compliant

Configurable multi-layer encryption

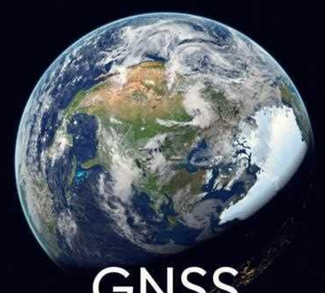
OTA Updates

Analog & Digital

5V Sensor Power Supply - PWM Support

Built Tough

IP65 Rated for ultimate protection against dust and water, ensuring durability in any environment.



GNSS

LTE CAT 4

LTE CAT 4

LTE CAT 4

LTE CAT 4

LTE CAT 4

LTE CAT 4

Influx TECHNOLOGY

REXGEN PRO

CAN Interface	Up to 4 x CAN/CAN FD (Arbitration Rate 500 Kbps & Data Rate 8 Mbps) ISO 11898-1: Compliant with CAN (up to 1 Mbit/s) ISO & Bosch CAN FD (up to 8 Mbit/s) Conforms to CAN protocol version 2.0 - part A, B Meets the requirements of ISO 11898-2:2016 & ISO 11898-5:2007 physical layer standards
CAN / CAN FD Functions	Supports custom baud rates CAN/CAN FD Bit timing selection SAE J1939 support (Source Address, Destination Address & PGN Filters) Silent Mode Configurable CAN DBC Support CAN frame error detection
LIN Iterface	2 x LIN (Master & Slave mode) (optional)
Data Storage	32GB eMMC
Processor	NXP imx8mini Application Series Quad core processor
Secure Element	Configurable
Bluetooth	Murata 1MW Bluetooth® 5.0 BR/EDR/LE module
WiFi	Murata 1MW WiFi module
WIFI Speed*	21 GB per hour
Wifi Antenna	External FAKRA Code Z
LTE	CAT 4
LTE Speed*	13.5 GB per hour
LTE Antenna	FAKRA Code D
Data Transfer Protocol	Configurable
Inputs	2x Digital and 3x Analog

IMU	6 Axis accelerometer (Max sampling rate 1KHz)
Accelerometer	±2/±4/±8/±16 g full scale (Max sampling rate-1KHz)
Gyroscope	±125/±250/±500/±1000/±2000 DPS full scale (Max sampling rate-1KHz)
Antenna	External FAKRA Code C
GNSS Receiver Type	72-channel, GNSS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1-SAIF, GLONASS L1OF, BeiDou B1I, Galileo E1B/C
Position Accuracy**	2.0 m CEP
Acquisition**	Cold starts: 26s Reacquisition: 2 s
GPS Accuracy**	Velocity: 0.05m/s Heading: 0.3 degrees Altitude: not specified
SIM	Nano / Soldered Sim

LTE CAT 4 Bands	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41
Receiver input Sensitivity	-98dBm to -114dBm: 700MHz to 2100MHz
Connectivity	Wifi, Bluetooth, LTE (Ethernet optional)
Supported Protocols	CAN / CAN FD Monitoring (RAW CAN signals) UDS, OBD, XCP
LEDs	8
Triggering	Trigger on CAN ID, CAN Signal, and Digital Input Trigger on DM1 counter
Log Files	Accessible via ReXdesk Software or Cloud Storage
File Format Supported	ASAM MDF, MF4, Peak TRC, CSV, MATLAB, ASC, BLF, RXD, Parquet
Data Logger Configuration	Supplied with ReXdesk configuration software or XML based Configuration

Analog Input	3 x Bipolar single-ended inputs ± 10V Range 12 Bit Resolution (ADC) 1Khz Max Sampling Rate > 50K Ohms Input Impedance ± 28 V Safe Applied Voltage
Digital Input	2 x Unipolar single-ended inputs (1x PWM) Input Switching Thresholds Low < 0.8 V, High > 2.5 V (up to 28V) ± 28 V Safe Applied Voltage
Transceiver Protection	Bus fault protection: ±58 V Thermal-shutdown protection (TSD) Under-voltage protection
Enclosure	Aluminium IP65 Dimensions L - 159.4mm, W - 81mm, H – 27.8mm Weight 300g 4 Mounting Holes and Screws
RTC	Battery backed RTC
Working Temperature	-40°C to +70°C
Working Humidity	Max 90%
Power Saving	Power Down Mode, Sleep Modes, Wake Up On CAN, Wake up on Movement, Digital Input

BUS & Signals	Power Supply OBD 6.5V to 27V CAN FD +2 to +3V LIN 0 to +24V Digital Input 0 to +28V Analog Input ± 10V

*specification are correct to date of publication but subject to change or change without notice
**As mentioned and marketed by the component manufacturer
All values (like speeds) are achieved in controlled testing environments
Device renders for illustrative purposes only