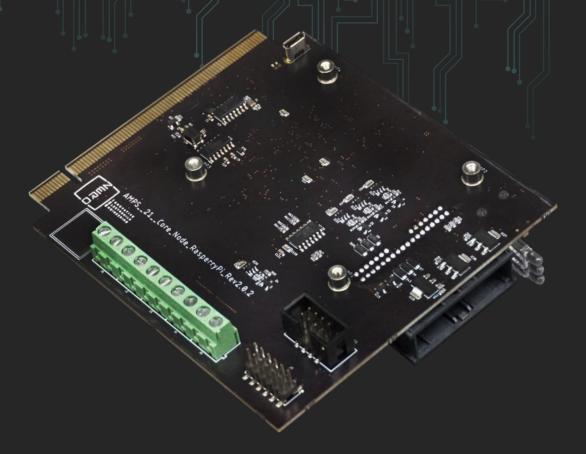


ZERO

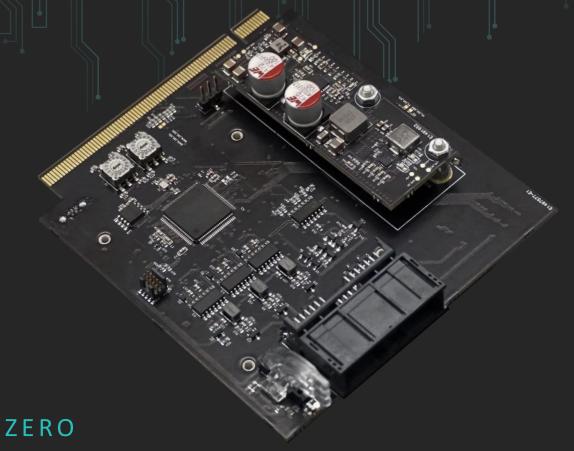
CORE NODE

compatible with Raspberry Pi 4 and many others



CARRIER BOARD WITH INFINITE POSSIBILITIES





WIDE RANGE INPUT VOLTAGE [9-55V]

3x STATUS LED

4x CAN-FD

2x LIN

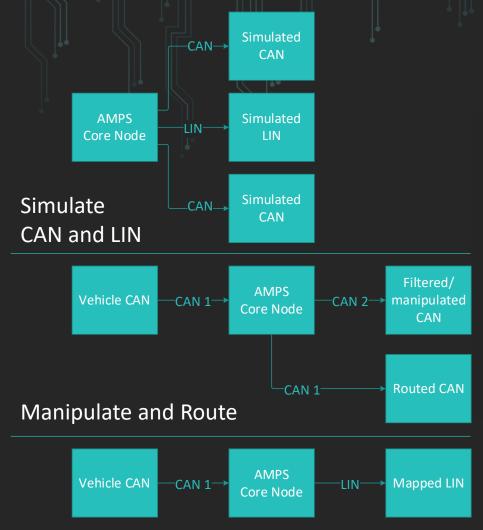
3x ANALOG I/O

3x DIGITAL I/O

AUTOMOTIVE-GRADE CONNECTOR



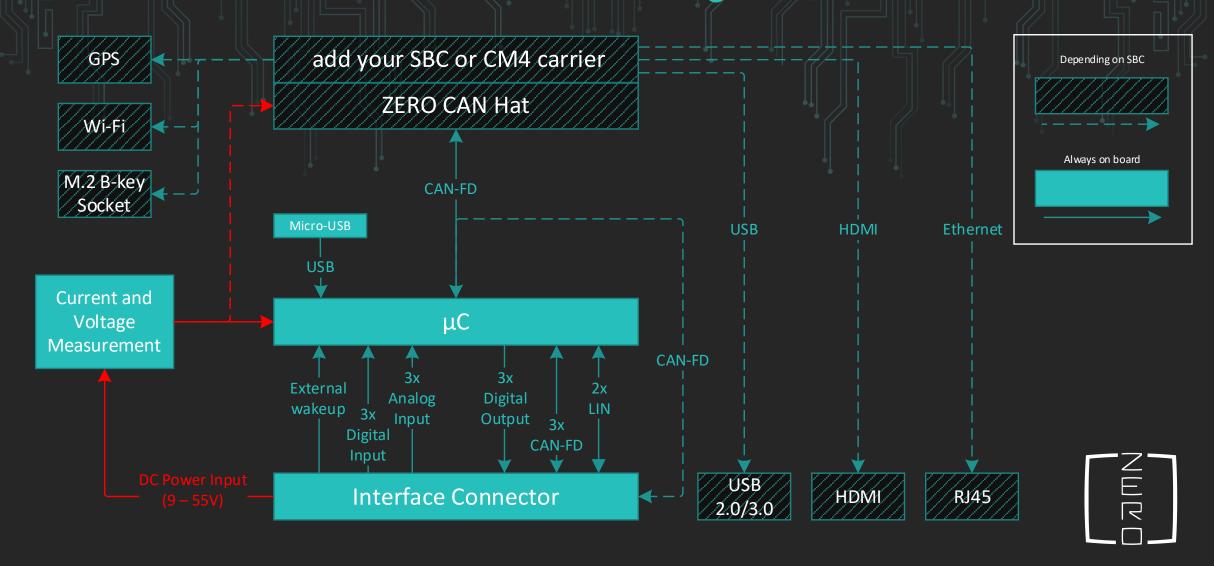
Core Node Use Cases



- Master in an AMPS cluster: full access to the features of the other Nodes
- Signage: Output static images and videos in a robust case with flexible power supply
- Electronics Prototyping: Try and verify your ideas; we use this in show cars and automotive prototypes
- Industrial Control and Human-Machine-Interface via
 CODESYS Control, e.g. to switch relays or control lights
- Automation of test procedures and other repetetive tasks (e.g. movements of vehicular mirrors and windows)
- IoT applications: collect and transmit data from all kinds of sensors (temperature, humidity, weight, voltage, etc.)
- and many more!



Core Node Block Diagram

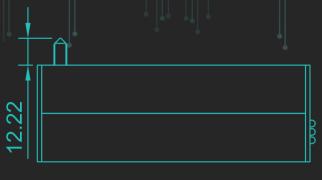


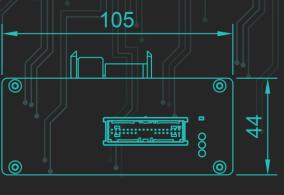
Core Node Datasheet

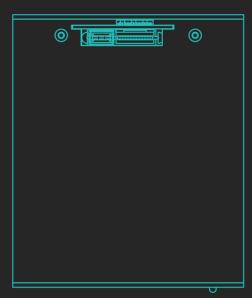
Interfaces	 Automotive-grade connector at the front 3x CAN-FD 2x LIN (Master/Slave selectable) 3x Digital Input 3x Digital Output (Low-Side Switch) 3x Analog Input Internal: 4x Flex Pins (e.g. for SPI, CAN, I²C) many others via your SBC
SBC Compatibility	 Raspberry Pi 2 3 4 Waveshare CM4 Carrier Board
Dimension	■ 124 x 105 x 44 mm (w x d x h)
Weight	■ 515g
Power	 Input voltage: 9 - 55V DC Idle power consumption: 90 mA @ 12V DC (1,08W)
Other	 Mounting: DIN rail (TH35) and screw straps Updates The Light Node can be updated by the user Updates are installed via CAN / openBLT LEDs 1x power indicator 1x status 1x user-programmable

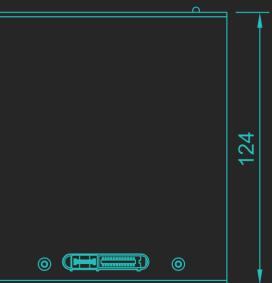


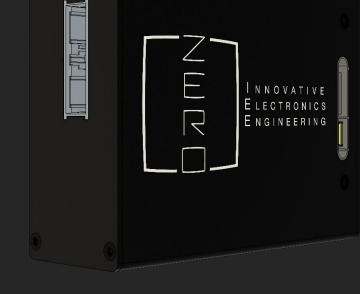
Core Node Drawing



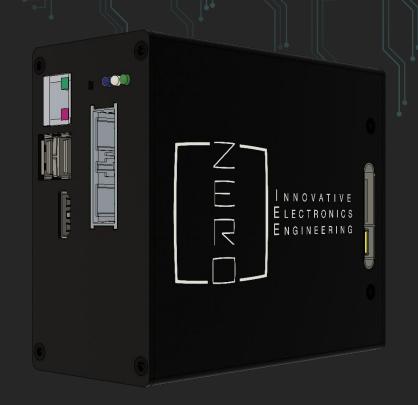


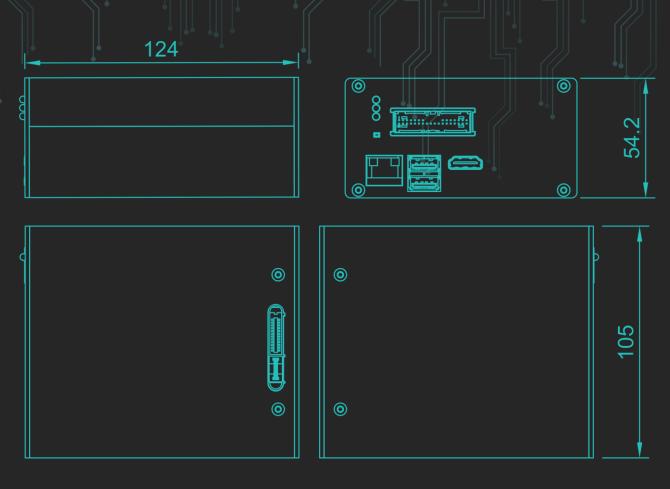




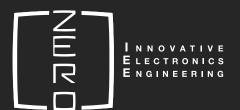


Core Node Drawing Exemplary illustration with an IO base board (incl. CM4) inside









Thank you for your interest in the AMPS Core Node! For further information, please visit our website or contact us.

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elif _operation == "MIRROR_Z'
mirror_mod.use_x = False
mirror_mod.use_y = False
mirror_mod.use_x = False

mmmmmm