INNOVATIVE ELECTRONICS ENGINEERING

ZERO

DISPLAY NODE

4-inch touch display to control and configure AMPS Nodes

YOUR AMPS INTERFACE

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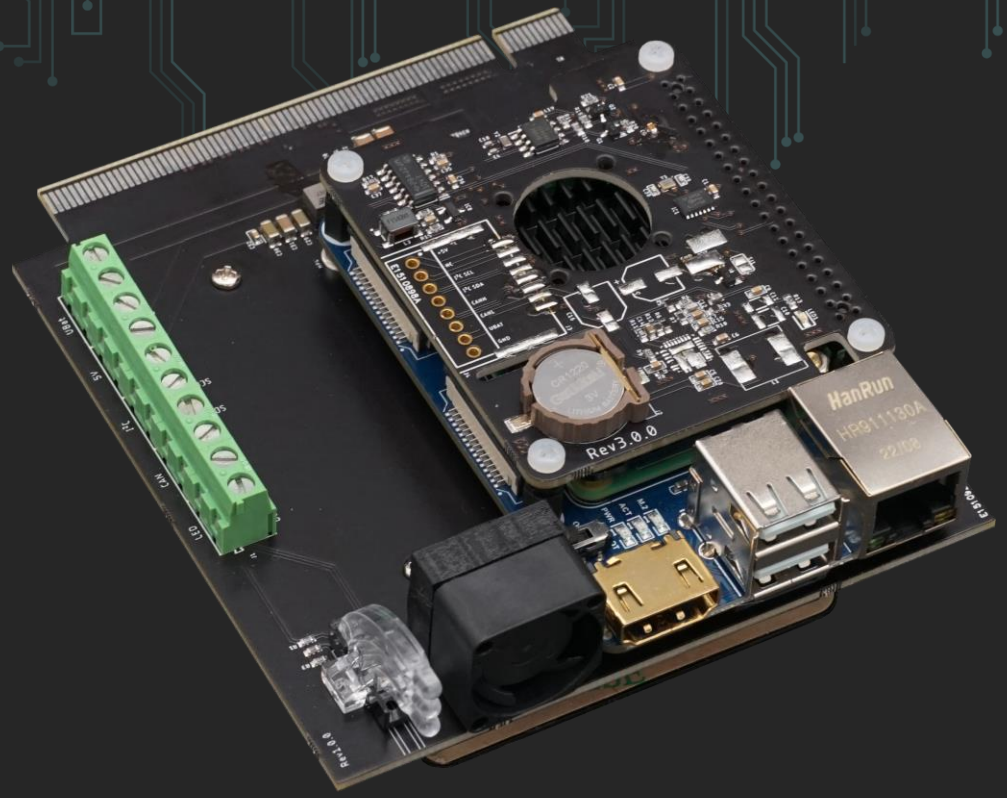
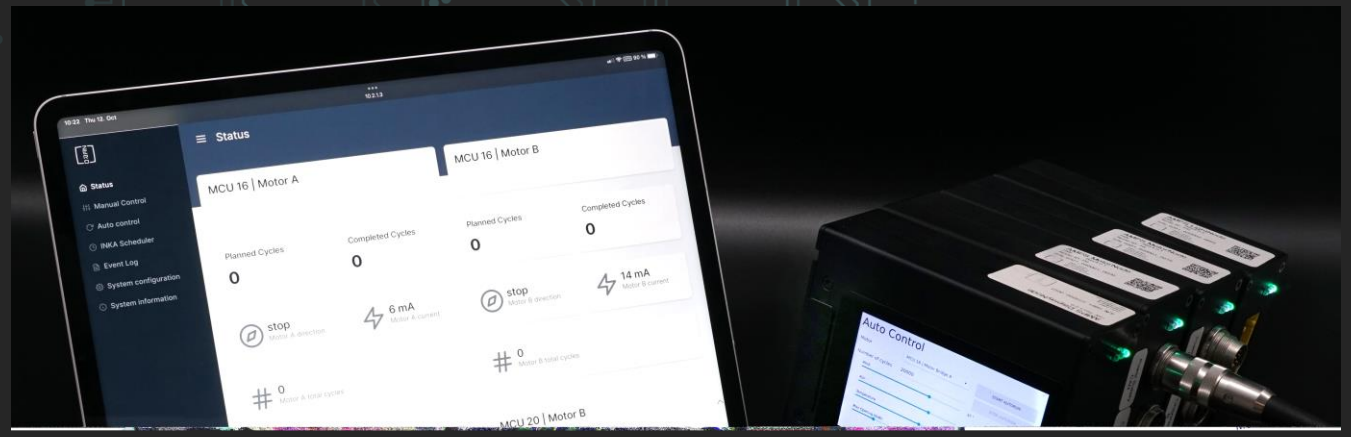


ZERO

DISPLAY NODE

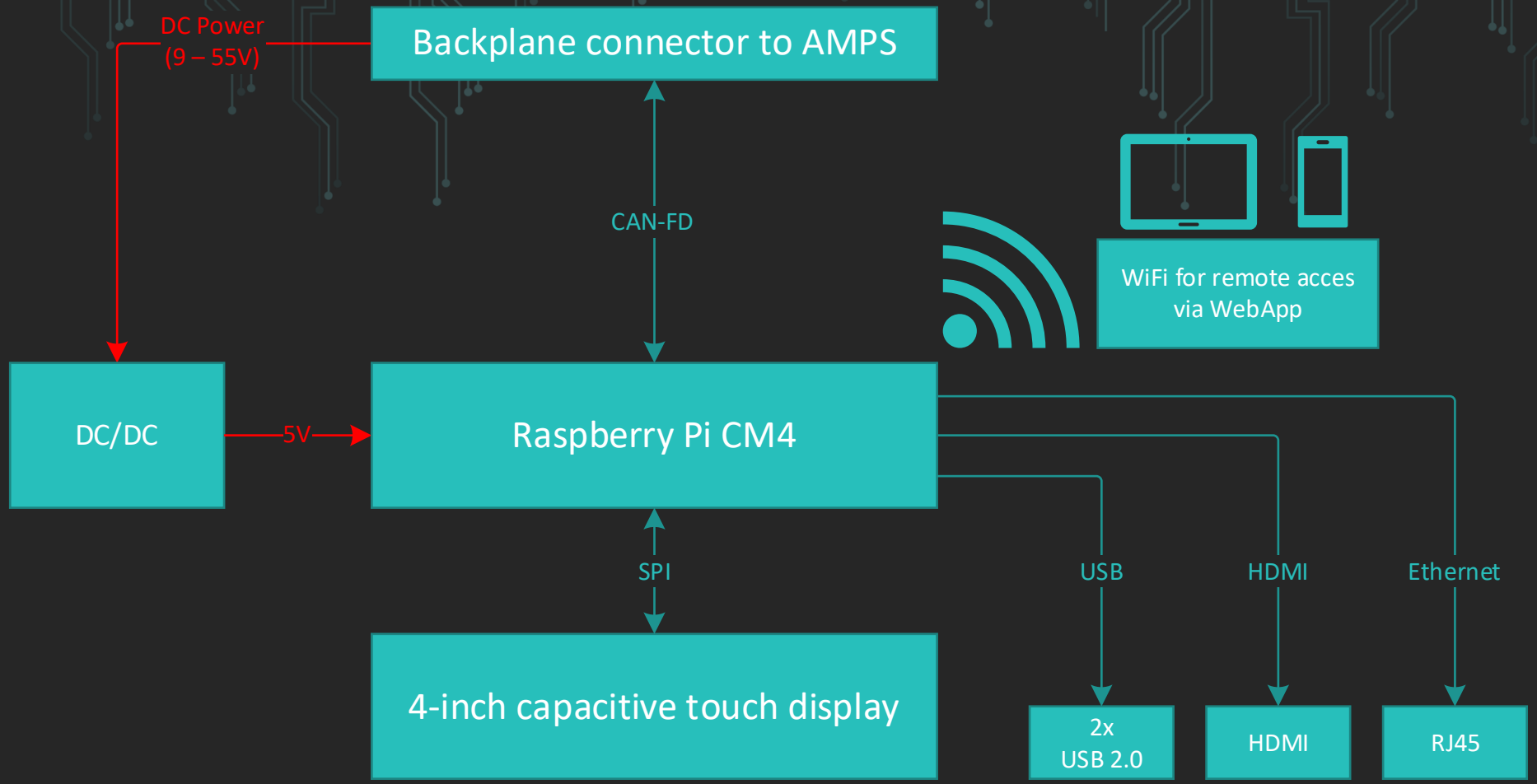
- WIDE RANGE INPUT VOLTAGE [9-55V]
- 3x STATUS LED
- 1x CAN-FD
- 1x 4-INCH CAPACITIVE TOUCH DISPLAY
- 1x RASPBERRY PI CM4 [with WiFi]
- 1x HDMI OUT
- 2x USB 2.0
- 1x GIGABIT ETHERNET
- 1x FAN

Display Node Use Cases



- Show AMPS and vehicle information
- Customize visible content to your needs
- Store log files on a USB flash drive
- Configure other AMPS Nodes
- Control other AMPS Nodes
  - V2X Node to delete fault memory of the car remotely
  - Motor Node to start your motor remotely (e.g., window lifter or door opener)
  - Light Node to control lights
  - Core Node to (de)activate and modify CAN filters or manipulators
- Use optional USB-LTE stick to access your AMPS Node(s) wherever it may be

Display Node Block Diagram



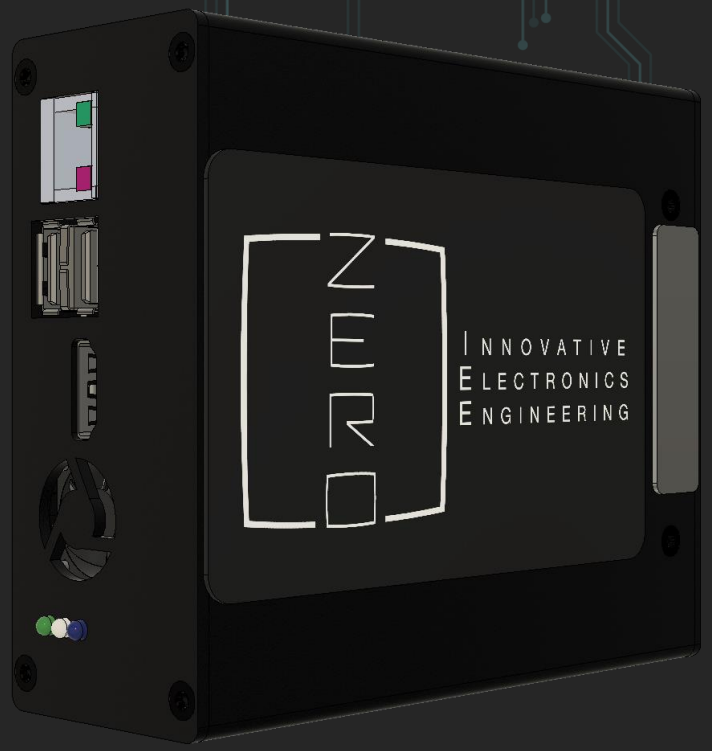
Display Node Datasheet

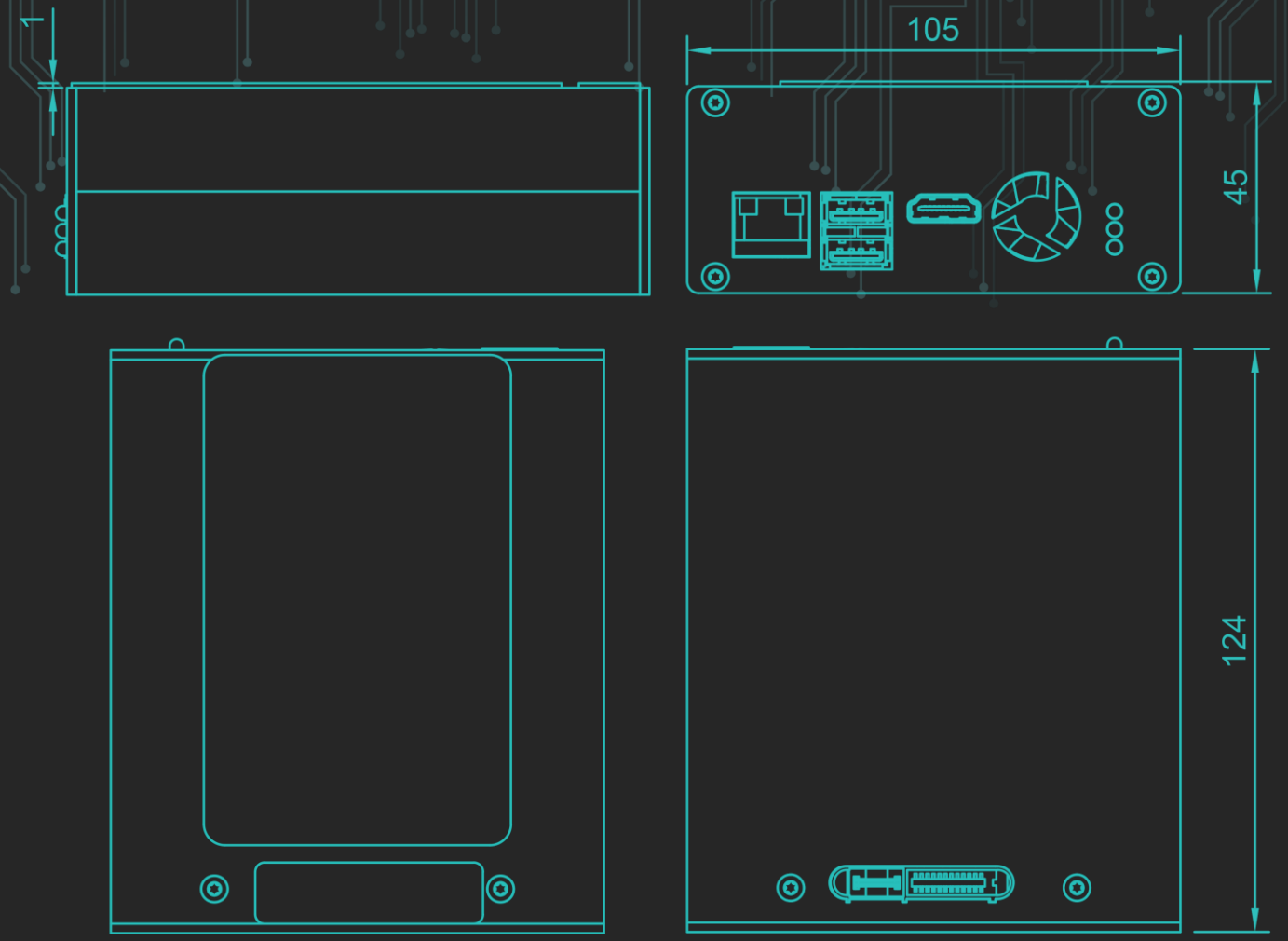
Interfaces	▪ Front panel
	  ▪ 2x USB 2.0
	  ▪ 1x HDMI OUT
	  ▪ 1x Gigabit Ethernet (RJ45)
	  ▪ Touch Display
	▪ Display
	  ▪ 4“ capacitive touchscreen
	  ▪ 800 x 480px resolution

Dimension	▪ 124 x 105 x 44 mm (w x d x h)
Weight	▪ 225g (PCB only) ▪ 557g (Aluminium casing)
Power	▪ Input voltage: 9 - 55V DC ▪ Power consumption: 3W (250mA @ 12V)

Other	▪ Mounting: DIN rail (TH35) and screw straps
	▪ Updates:
	  ▪ The DisplayNode Firmware can be updated by the user via CAN / openBLT
	  ▪ The Operating System is fully accessible to the user
	▪ LEDs
	  ▪ 1x power indicator
	  ▪ 1x status
	  ▪ 1x user-programmable

Display Node Drawing





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

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