

M-GATEWAY3

Universal interface module for the M3 DAQ system

- Application as CAN-USB or CAN-Ethernet gateway
- Connection to PC via USB-C (data and power supply)
- Output via XCPonETH or CAN-FD
- Online calculations on the module
- Logging function to record measurement data autonomously
- Monitoring and control via webinterface



| Interfaces                 |                                                |
|----------------------------|------------------------------------------------|
| CAN FD                     | 2                                              |
| ETH (1 GbE)                | 2                                              |
| Ethernet interface to PC   | Ethernet (1Gbit)<br>USB-C<br>WiFi (2.4 / 5GHz) |
| USB 3.0 ports              | 1 x USB-C (3.1)                                |
| Driver display system      | IPEmotion ME                                   |
| Device                     |                                                |
| Operating system           | Linux (64 bit)                                 |
| Processor                  | ARM i.MX8 M Plus Quad A53                      |
| Performance Index          | 542                                            |
| Data Transmission          | WiFi, Ethernet, USB-C                          |
| Data logger software       | IPEmotion RT                                   |
| Storage capacity           | 32 GB (intern)<br>64 GB (not removable)        |
| Voltage supply             | 6 ... 59 VDC                                   |
| Supply voltage thresholds  | On 9 ±0.3 VDC / Off 6 ±0.3 VDC                 |
| Power consumption, typical | 3 W                                            |
| Working temperature range  | -40 ... 85 °C (-40 ... 185 °F)                 |
| IP-Code                    | IP 67 (ISO 20653 - 2013)                       |

|                    |                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relative humidity  | 5 ... 95 %                                                                                                                                                                                                            |
| Dimensions         | L165 mm x B33 mm x H58 mm (L6.50 in x B1.30 in x H2.28 in)                                                                                                                                                            |
| <b>Accessories</b> |                                                                                                                                                                                                                       |
| System cable       | 620-688 LOG GB-ETH cable RJ45<br>623-507 Mx-CAN/PWR cable, banana<br>623-504 M3-CAN/PWR cable, M-CAN/PWR<br>623-500 M3-CAN/PWR cable, SubD9/S term, banana (monitoring)<br>IPE-ZUK-265 USB-C cable with locking screw |
| Input cable        | 630-530 ETH-Feature/X-Link<br>620-684 IPEhub2/IPElog CAN1+2 cable, 2x CAN SubD/P<br>111540 (3m) ETH-Feature/RJ45<br>112175 (5m) ETH-Feature/RJ45                                                                      |
| Antenna            | IPE-ANT-020 (WiFi/BT short-rod antenna)                                                                                                                                                                               |
| optional           | IPE-COV-M3-001 cover cap<br>IPE-HWI-M3-001 mounting plate<br>IPE-HWI-M3-002 mounting plate                                                                                                                            |