



HARTING IIC MICA

Advantages

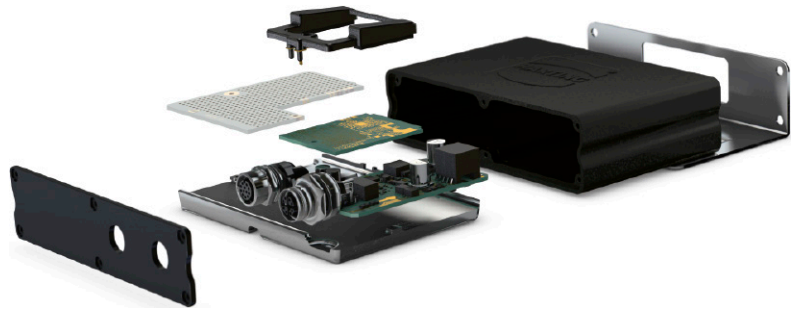
- Designed for harsh industrial environment
- Tested according industry and railway standards
- Open modular software concept
- Adaptable, upgradeable hardware
- Industrial connectors
- Power over Ethernet or 12 / 24 V DC

General description

- MICA is a very robust industry and railway approved industrial computer. It is tested according to IP67 and established industry and railway standards.
- All components are designed for a very long lifetime in harsh industrial environments.
- The modular hardware and software design allows users, development engineers and system integrators to realise Integrated Industry projects fast and cost efficient.

Technical characteristics

| | |
|---------------------------------|--|
| System performance | 1 GHz ARM processor 1 GB RAM 4 GB eMMC up to 32 GB Flash (via Micro SD Card) |
| Interfaces | Ethernet (TCP/IP) 10/100 Mbit/s; Full Spec. 802.3 2 USB A Push-Pull (only MICA USB) |
| Inputs / Outputs | up to 8 configurable IOs (12 / 24 V) |
| Power supply | |
| Power supply | 12 / 24 V DC (± 5 %) / Power over Ethernet (PoE) |
| Current consumption | max. 500 mA |
| Diagnosis (LED) | 2 LEDs to visualize the device status |
| Operating system | Linux (Kernel 3.x.x) |
| Design features | |
| Material of housing | corpus: Aluminium, powder coated front cover: fiberglass reinforced high performance plastic |
| Dimensions (W x H x D) | 132 x 86 x 35 mm |
| Installation on DIN rail | DIN rail mounting kit (see optional accessories) |
| Environmental conditions | |
| Operating temperature | -25 °C ... +75 °C |
| Storage temperature | -25 °C ... +85 °C |
| Relative humidity | 5 % ... 95 % (non-condensing) |
| Vibration | EN 60 068-2-6 10 Hz to 150 Hz: 0.075 mm / 1g |
| Shock | EN 60 068-2-27 Acceleration: 30 g |
| Norms & safety | |
| EMC | EN 301 489 |
| Low voltage | EN 60 950 |
| Human exposure | EN 50 364 |
| RoHS compliant | |
| Railway | tested according to EN 50155 (Q2 2016) |



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| Identification | Part number | Drawing | Dimensions in mm |
|--|--------------------|---------|------------------|
| MICA Basic | 20 95 000 0003 00 | | |
| MICA USB | 20 95 000 0002 00 | | |
| Optional accessories | | | |
| DIN rail mounting adapter | 20 95 200 0004 | | |
| Wall mounting kit | 20 95 300 0007 | | |
| M12 X-coded Ethernet cable (1 m)* | 09 47 841 1001 | | |
| M12 X-coded Ethernet cable (2 m)* | 09 47 841 1002 | | |
| M12 A-coded cable assembly (2 m)* (IOs / ext. power supply) | 21 34 840 0C79 020 | | |

* length just an example, another lengths on request