

## HARTING IIC MICA

## Advantages

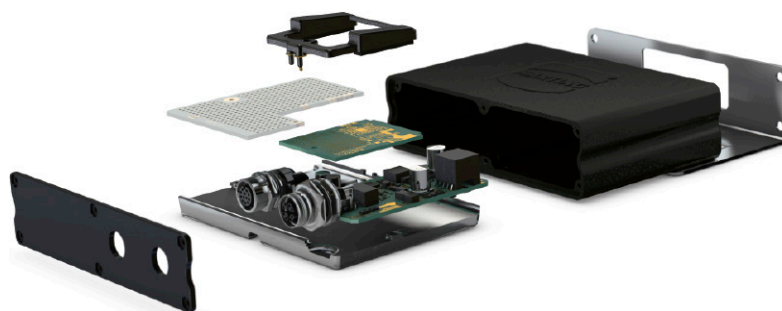
- Designed for harsh industrial environment
- Tested according industry and railway standards
- Open modular software concept
- Adaptable, upgradeable hardware
- Industrial connectors
- Power over Ethernet or 12 / 24 V DC

## 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

<b>System performance</b>	1 GHz ARM processor 1 GB RAM 4 GB eMMC up to 32 GB Flash (via Micro SD Card)
<b>Interfaces</b>	Ethernet (TCP/IP) 10/100 Mbit/s; Full Spec. 802.3 2 USB A Push-Pull (only MICA USB)
<b>Inputs / Outputs</b>	up to 8 configurable IOs (12 / 24 V)
<b>Power supply</b>	
Power supply	12 / 24 V DC ( $\pm 5\%$ ) / Power over Ethernet (PoE)
Current consumption	max. 500 mA
<b>Diagnosis (LED)</b>	2 LEDs to visualize the device status
<b>Operating system</b>	Linux (Kernel 3.x.x)
<b>Design features</b>	
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)
<b>Environmental conditions</b>	
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
<b>Norms &amp; safety</b>	
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		
<b>Optional accessories</b>			
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