HARTING IIC MICA

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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