



Pushing Performance



People | Power | Partnership

HARTING MICA

Unmatched Versatility –
to digitally transform your Business.

The modular software and hardware platform
for industrial digitisation.

HARTING MICA

The innovative Trend Setter.

HARTING's MICA (**M**odular **I**ndustry **C**omputing **A**rchitecture) provides a quick and easy solution for implementing digitisation projects directly at facilities and machines.

The modular industry-standard mini-computer is a solution to a multitude of application challenges – thanks to its modular hardware and flexible open source Linux-based software. All in a robust enclosure specifically designed for industrial environments.

This pioneering concept enables you to transform creative ideas into innovative solutions and to digitise processes. HARTING will gladly support you during this digital transformation with our expert support or complete turn-key solutions for your business.



MICA's open modular design has convinced the HERMES AWARD jury: At the Hannover Messe 2016, our industrial mini-computer was awarded the Technology Prize from the Deutsche Messe AG.

A true Jack-of-all-Trades MICA in Action.

Identification, predictive maintenance management and permanent status monitoring are just three of the many application scenarios where the MICA shows its full potential. Go to HARTING-MICA.com to find out all that MICA can do for you.



Identification

In driverless train systems, MICA mediates between all communication protocols – e.g. between sensors and onboard systems – so that trains can be precisely and safely positioned at the platform.



Predictive maintenance management

When using heterogeneous machinery, MICA homogenises the different data streams and enables them to be easily managed from a single system.



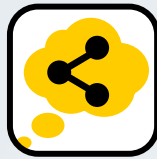
Permanent status monitoring

Facility-related data can be stored longer, because MICA acts as supplemental memory for the production machines. So causes of errors can be identified and fixed even beyond the conventional storage durations.

What will you do with MICA?

MICA Network lets you connect with others, work together on projects and develop new ideas together. Become a part of the network at www.MICA.network.

397 Cubic Centimetres of Advantages.



Open-Source-Software

MICA's Linux-based open source approach permits you to choose the development environment and programming language.



Robust enclosure

The durable aluminium enclosure is suitable for harsh industrial environments, fulfils the IP67 standard and requires absolutely no maintenance.



Open Community

The MICA.network open development community enables users and developers to interact and collaboratively develop new ideas.



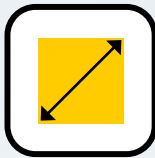
Low costs

The hardware investment costs for a MICA are significantly lower than those for classic industrial PCs. On the software side there are no proprietary operating systems.



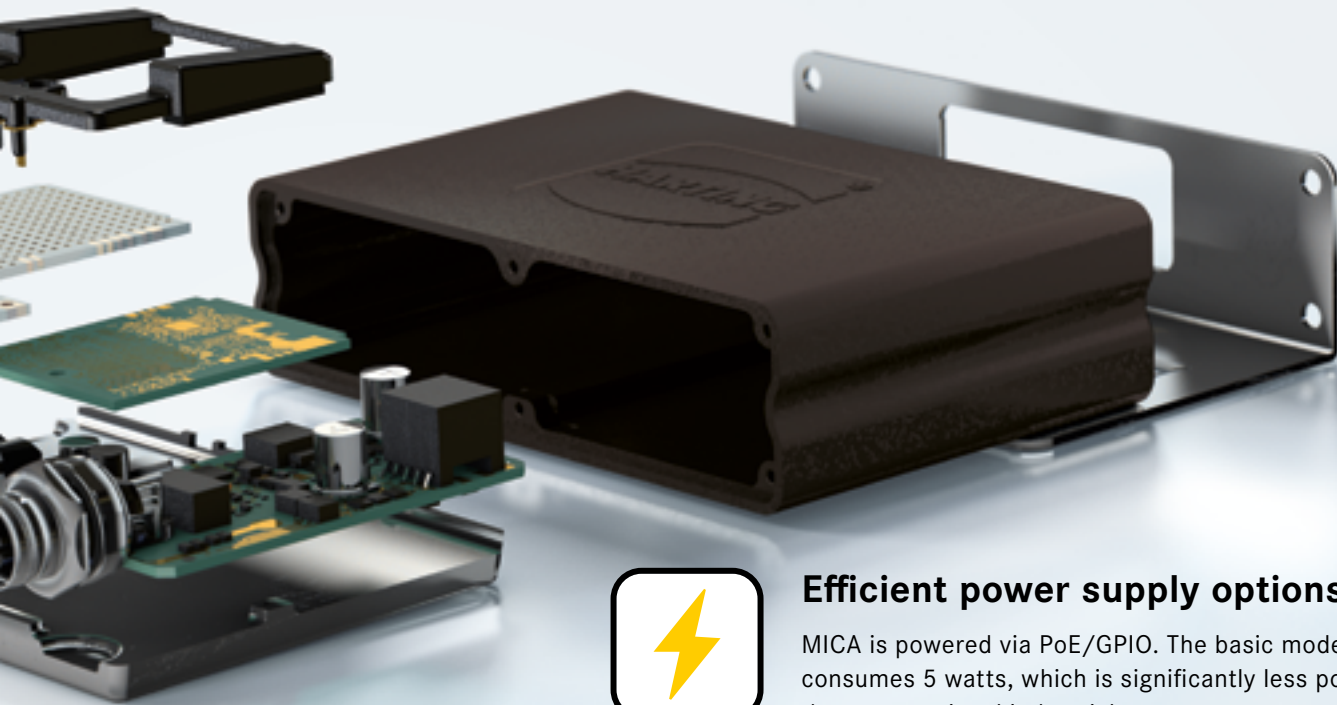
Cloud computing

MICA is a versatile interface that connects machines and facilities at the field level directly to IT systems or cloud services.



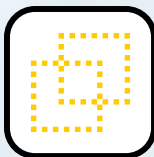
Compact size

Thanks to its compact dimensions (13 x 8 x 3.5 cm), the MICA can be discreetly installed on machines and facilities; it also fits directly onto the DIN rail in an electrical cabinet.



Efficient power supply options

MICA is powered via PoE/GPIO. The basic model consumes 5 watts, which is significantly less power than conventional industrial computers.



Virtual containers

The MICA's container architecture allows you to simultaneously operate multiple sensors, field devices or processes – independently and isolated from one another.

Modular Hardware

The modular design allows you to develop and integrate functional PCBs and matching front panels, without changing the form factor or the degree of protection.



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