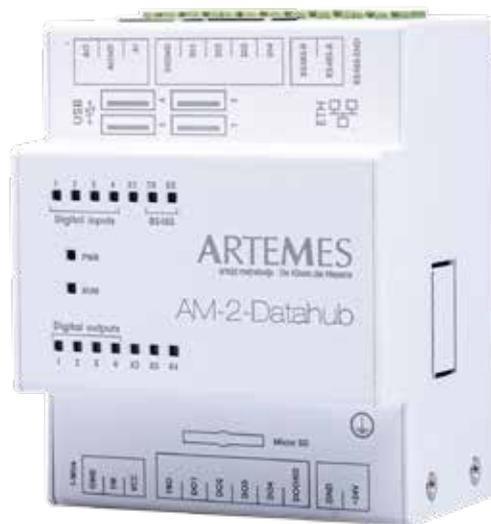


ARTEMES

arte[s] me[nsioni]s - The Art of Measuring
Power & Energy



4 X 1,2 GHZ CPU

AM-2-Datahub

1 GB RAM

AM-2-Datahub



The AM-2-Datahub in the space-saving DIN rail housing is **the perfect communication tool** in the family of ARTEMES' measurement and monitoring solutions which is able to connect various components.

- Linux Debian, ARTEMES Software v4
- 4 digital inputs, 4 digital outputs
- 1 analog input, 1 analog output
- dimension 72 mm x 90 mm x 59 mm, weight 300 g
- 4 x 1,2 GHz CPU, 1 GB RAM
- 1-wire bus
- RS485 interface, ethernet, USB 2.0
- power supply 24V DC
- DIN 35 mm rail mounting
- max 7 Tage RTC backup

SPACE-SAVING. FLEXIBLE. INDISPENSABLE.

With its space-saving appearance and its communicative core the AM-2-Datahub is confronted with elementary requirements - especially as regards distributed solutions. In the field of automation, the instrument takes over essential communication tasks between sensors and the central server. On the one hand, you can buffer the data and, on the one hand, you can also pre-compact them. Through this distributed intelligence you can also make decisions directly on site. This is made possible by the integrated math library and numerous interfaces. Solutions in Industry 4.0 environment obtain the necessary flexibility, speed and, above all, reliability through distributed intelligence.

The numerous integrated interfaces (DI, DO, AI, AO, 1-wire, RS485, USB, ethernet) already offer a large number of possibilities. In addition, this measuring device can be extended at any time with additional modules. Such additional modules can, for example, be further analog inputs. Likewise, the software interfaces are very variable. Existing interfaces (e.g., Modbus) can be expanded as needed. This flexibility makes our AM-2-Datahub indispensable for you!



Inputs

- 4 x DI, Galvanic isolation
 - 5 - 24 V DC (0 < 3,5 V; 1 > 4,5 V)
 - delay 0 - > 1=20 mycroseconds;
 - 1 - > 0=60 mycroseconds
 - functions: status, counter
- 4 x DO, transistor counter
 - 5-50V DC switchable voltage
 - 750mA switchable current (pulse up to 1 A)
 - time to switch on/off: on 130 ns; off 20ns
- 1 x AI, non-isolated
 - 0 - 10 V or 0 - 20 mA
 - 12 bit
- 1 x AO, non-isolated
 - 0 - 10 V or 0 - 20 mA
 - 12 bit
 - additional function: Pt 1000 or Ni 1000

Interfaces

- ethernet: 1 x 10/100 BaseT
- WIFI
- bluetooth
- 1-wire, Galvanic isolation
- RS485, Galvanic isolation, 9,6 - 115 kbps
- 4*USB

Other

- power supply: 24 V DC (+25 / -15 %); typ 3 W (max 12 W)
- operating temperature: 0°C - +55°C
- storing temperature: -25°C - +70°C
- degree of protection: IP 20
- installation: DIN 35 mm, horizontally
- connection: pluggable terminal blocks, 2,5 mm²
- dimension: 72 x 90 x 59 mm
- weight: 300 g
- standard compliance: EN5095-1 ed. 2;
- EN 61000-6-3 ed. 2, EN 55014-1 ed.3, EN 55022 ed.3

Measurements for Power Applications

System Integration and Monitoring Solution

convenient generation of reports

data compression and data base solutions for easy and individual use

cloud solutions for continuous and distributed measurement tasks

automated test sequences for repeated testings



energy management systems for commerce and industry

ARTEMES Software v4

Automation Technology 4.0

load profile measurings and multi-channel power analyses

power quality analyses according to definded standards

software and hardware solutions for individual test bench systems

