

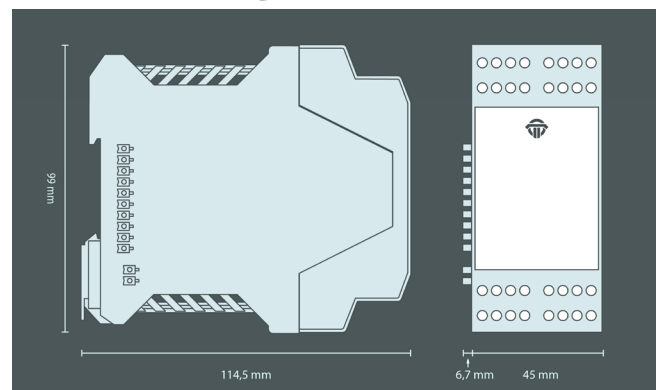
# isNet H@rt8+AI

## Ethernet Gateway Module



The HART module isNet H@rt8+AI contains 8 independent HART masters, every HART master with a separate HART modem, similar to the isNet H@rt8. In addition, it provides a 24V voltage source for connected HART field devices and it can measure the 4..20mA loop current for every HART slave. The module provides these process data to the Ethernet head module isNet Lite and so to the higher level Ethernet fieldbusses like PROFINET or Modbus-TCP for further processing.

Different from the isNet H@rt8 Modules, every HART field device will be connected to the isNet H@rt8+AI by just 2 wires, which helps to keep the cabling more simple.



Technical details	8 - Channel isNet H@rt8+AI
Connectors	8 screw type terminals
LxWxH in mm	114,5 x 45 <sup>(1)</sup> x 99
Power consumption	1,8W <sup>(2)</sup>
Weight	250 g
Temperature range	- 40° C ≤ T <sub>amb</sub> ≤ 70° C / - 40° F ≤ T <sub>amb</sub> ≤ 158° F
Storage temperature	- 40° C ≤ T <sub>amb</sub> ≤ 85° C / - 40° F ≤ T <sub>amb</sub> ≤ 185° F
Pollution degree	2
Altitude	up to 2000 m
Wire size	0,2 mm <sup>2</sup> ... 2,5 mm <sup>2</sup> /AWG24 ... AWG 12 <sup>(4)</sup>
Transmission rate (HART)	1200 Bit/s
Transmitter supply voltage	24V
max. current	25 mA (per channel)
Input impedance	250 Ω
Driver software	Windows XP, Vista, 7, 8, 10, 11
Delivery content	Hardware, isNet DTM Library, Pactware, User manual isNet Line on USB stick
Order code	19300-0702

<sup>(1)</sup> Dimensions without lateral plugs ; <sup>(2)</sup> without fieldbus slaves;

<sup>(4)</sup> Cable entries and field wiring must be suitable for an operating temperature of at least +20°C above ambient.