

Third-generation communicator.



AS-i gateways with ultra short transfer times.

- ▲ Colour display for clear diagnosis and set-up.
- ▲ AS-i double address recognition.
- ▲ Earth fault monitor.
- ▲ Profinet switch with 2 ports and certification according to Conformance Class B.
- ▲ Profibus DP interface with certified DPV0 and DPV1 functionality.



The bus at a glance

The new ifm gateways are the fast connection from AS-i to Profibus or Profinet. Thanks to a colour display and web interface, the status of all AS-i slaves is recognizable at a single glance.

The quick set-up menu and intuitive handling facilitate installation and diagnosis. In addition, the web interface allows full remote access.

Three types of voltage supply

The flexible voltage supply ensures a low-cost integration into your application. The units can be operated via AS-i power supplies, DC power supplies, or a combination of both. It is also allowed to supply several AS-i networks via a single power supply.



fluid sensors
and diagnostic
systems

position
sensors
and object
recognition

bus,
identification
and control systems

Advantages and customer benefits

Communication interfaces:

Profinet:

Profinet Class B
Profinet switch 2 ports integrated

Profibus:

Profibus DPV0 and DPV1 functionality

AS-Interface:

1 and 2 AS-i masters pursuant to M4 profile

Configuration interface:

Ethernet with integrated web interface

Connections:

AS-i and auxiliary supply: plug-in terminals
(supplied with the unit)

Profinet 2 x RJ45

Profibus D-Sub 9

Configuration interface RJ45

Visualisation:

1.8" colour display

LEDs for unit and fieldbus status

Housing:

Robust metal housing:

aluminium powder-coated; steel sheet galvanised

Ambient temperature:

Operating temperature 0...60 °C

Storage temperature -20...70 °C

Functions

• Pluggable data decoupling

Via the optional data decoupling AC1250, the gateway and the connected AS-i slaves can be powered by one power supply. A single voltage source can hereby supply several gateways and their AS-i networks.

Power supplies with a voltage of 30 V (DC or AS-i) allow any possible AS-i structure at full cable length.

The use of a 24 V power supply offers the advantage of AS-i power24: For AS-i networks of up to 50 m the introduction of the bus system AS-interface will become even more cost-efficient.

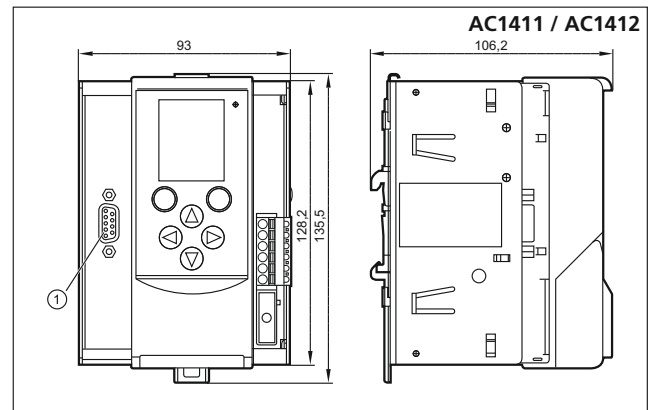
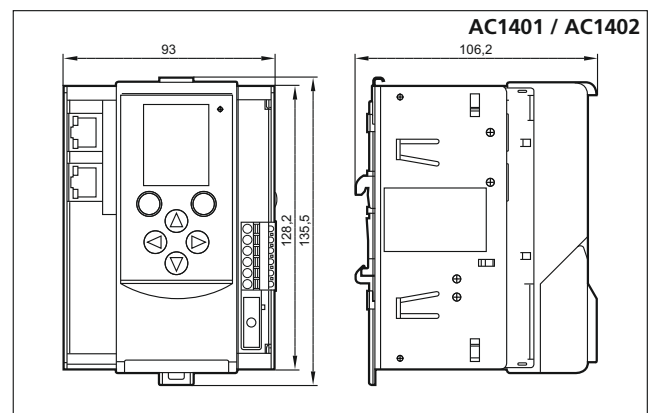
• Transfer of AS-i data

PLC user programs of existing plant can be changed to the new AS-i gateways of the third generation without any changes to the I/O addresses.

The products

Description	Order no.
AS-i Profinet gateway 1 AS-i master with M4 profile	AC1401
AS-i Profinet gateway 2 AS-i masters with M4 profile	AC1402
AS-i Profibus gateway 1 AS-i master with M4 profile	AC1411
AS-i Profibus gateway 2 AS-i masters with M4 profile	AC1412
AS-i data decoupling, can be mounted on AS-i Profinet gateway	AC1250

Dimensions



1) Sub-D (9 poles)

