



Powerful all-rounder

IIoT controller for use in the field
and in the control cabinet

- 2-in-1: cloud connector and powerful controller
- Perfect IO-Link integration
- Plug & Work access to the I/O level via Ethernet
- Version with IP20 protection rating for the control cabinet or with IP67 for use in the field
- Powerful technology for demanding applications



IP20

IP67



ifm – close to you!

Description	Order no.
IIoT controller for the control cabinet	AE3100
IIoT controller for use in the field	AE3400

Powerful and versatile

The IIoT controller is a powerful, communicative and flexible PLC solution in machine and plant digitalisation. Powerful, because at ambient temperatures of up to 55°C, the 1.3 GHz quad-core processor works at high performance level. Communicative, because it is a true language and translation talent with its various protocols, regardless of whether it is a matter of connections to the IT world or the integration of automation technology I/O data. In addition, even a Plug & Work connection of IO-Link devices is possible – including IODD interpretation. Flexible, as the IIoT controller is freely programmable via CODESYS V3.5.

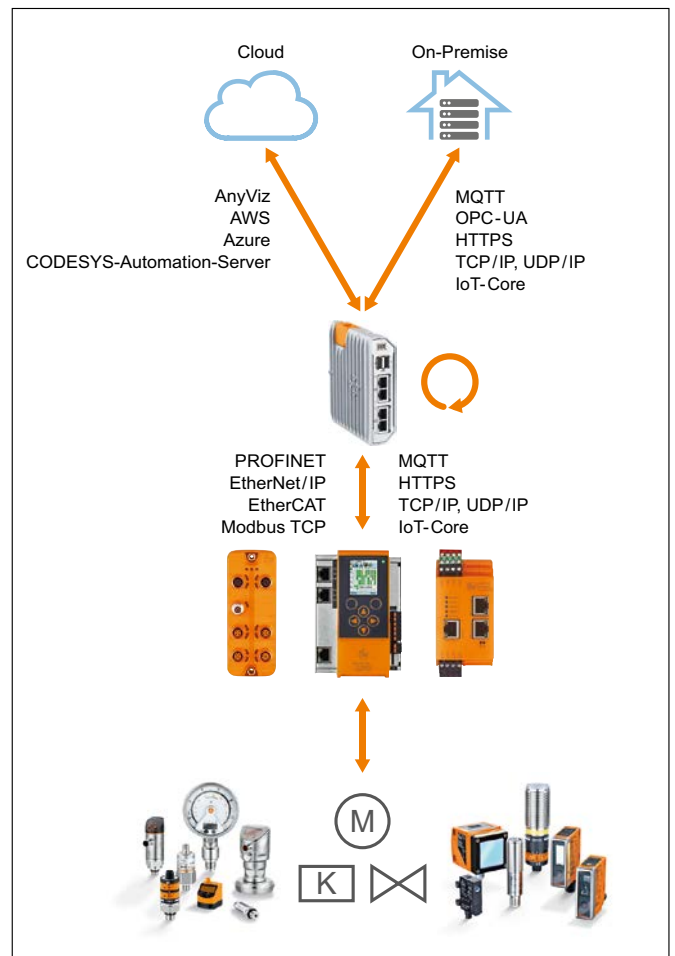
You would like to manage the device remotely? No problem, the CODESYS Automation Server enables remote debugging and remote web visualisation.

Connection to different clouds

The IIoT controller allows for transmission of the recorded and prepared data to the most common cloud platforms such as AWS, Microsoft Azure and AnyViz. Furthermore, the IIoT controller speaks the common standard digitisation languages such as OPC UA and MQTT.

Whenever data is to be recorded and processed in real-time, I/Os can be read and controlled by using Industrial Ethernet protocols such as Profinet, EtherCAT, EtherNet/IP or Modbus TCP.

Technical data		
Operating voltage	[V DC]	18...30 DC (PELV)
Ambient temperature	[°C]	-25...55
Housing material		Die-cast aluminium passivated, stainless steel
Dimensions	[mm]	AE3100: 125 x 125 x 36 AE3400: 251 x 125 x 34
Protection rating		IP20 (AE3100) IP67 (AE3400)



BEST FRIENDS

We reserve the right to make technical alterations without prior notice. · 04.2025
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



IO-Link master
For use in
factory automation



Smart PLC
For data exchange with the
sensor actuator level



Diagnostic electronics
Vibration monitoring of
machines and equipment



For further technical details,
please visit:
ifm.com/fs/AE3100