



Industrial communication

DataLine SmartPLC : flexible automation system



AS-Interface controllers / gateways



Quick and easy set-up

Flexible and future-proof thanks to connective hardware and CODESYS V3

Various protocols on different interfaces

Designed for Industry 4.0 applications

Unbeatable price / performance ratio



Communicative PLC

The DataLine SmartPLC is freely programmable via CODESYS V3 and offers full access to all interfaces of the system. Two Ethernet ports act as fieldbus / slave interface (PROFINET, EtherNet/IP, EtherCAT) and enable high-performance communication to other PLC systems. Different communication protocols can be used in parallel via two further Ethernet ports, e.g. EtherCAT master, EtherNet/IP scanner, Modbus TCP master and slave, TCP/IP, UDP/IP or OPC/UA server.

Designed for Industry 4.0

The DataLine SmartPLC is best-equipped for Industry 4.0 applications. Towards the PLC, it acts like a classic AS-i gateway and towards IT, any process values can be made available via different communication protocols. An integrated real-time clock and an SD card slot complete the features.



Advantages and customer benefits

Communication interfaces:

EtherNet/IP:

Certified EtherNet/IP functionality
Ethernet switch with 2 integrated ports

PROFINET:

PROFINET class B
PROFINET switch with 2 integrated ports

EtherCAT:

Certified EtherCAT functionality

AS-Interface:

1 and 2 AS-i masters pursuant to M4 profile

Configuration interface:

2 Ethernet ports with the following functions:

- Web server
- CODESYS V3 programming interface
- Multifunctional communication interface (EtherCAT master, Modbus TCP, EtherNet/IP scanner, OPC/UA server, Web visualisation)

Connections:


- AS-i and auxiliary supply: plug-in terminals (supplied with the unit)
- EtherNet/IP and Profinet 2 x RJ45
- Configuration interface 2x RJ45

Functions

The DataLine SmartPLC supports a number of different communication protocols via its both configuration interfaces in order to supply additional input / output data to the integrated PLC or realise a data exchange with other units / systems.

For Industry 4.0 applications, there is, amongst others, an OPC server functionality available that enables an easy data transfer into your IT world.

Products

Type	Description	Order no.
DataLine SmartPLC		
	PROFINET device interface 1 AS-i master with M4 profile	AC1403
	PROFINET device interface 2 AS-i masters with M4 profile	AC1404
	EtherNet/IP device interface 1 AS-i master with M4 profile	AC1423
	EtherNet/IP device interface 2 AS-i masters with M4 profile	AC1424
	EtherCat slave interface 1 AS-i master with M4 profile	AC1433
	EtherCat slave interface 2 AS-i masters with M4 profile	AC1434

Dimensions

