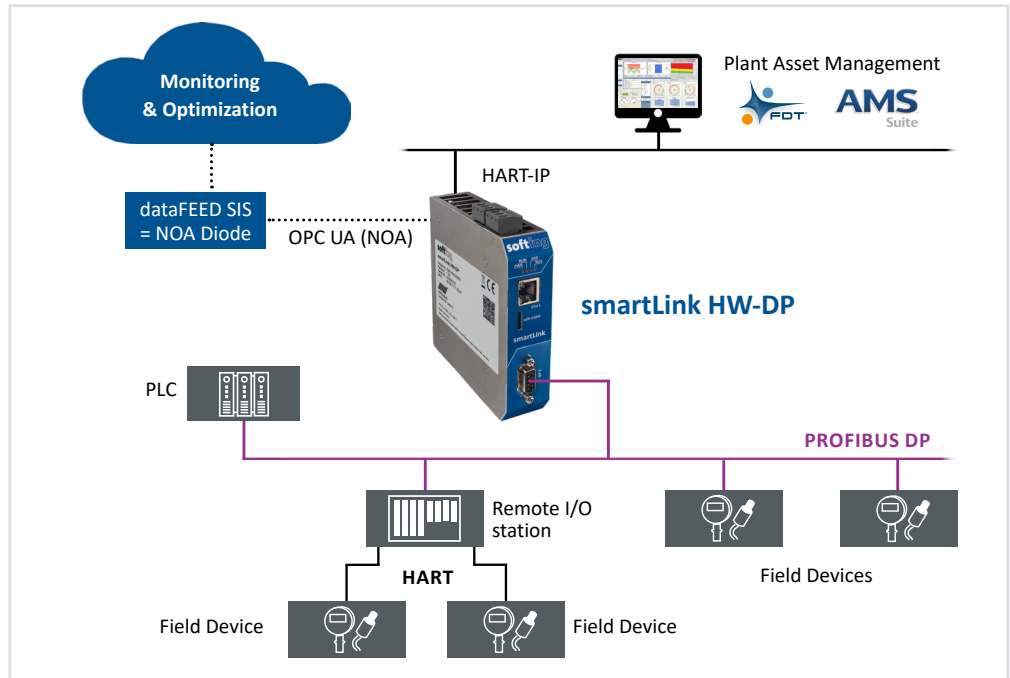


# smartLink HW-DP

Industry 4.0 connectivity for new and existing PROFIBUS DP networks

- PLC Independent access to PROFIBUS DP networks
- Integration without interference with the operation of existing installations
- Compatible with products of leading device manufacturers



## Configuration, Parameterization and Plant Asset Management Using Standard Industry Tools

- Independent of configuration tools
- Centralized and time-saving parameterization of PROFIBUS and HART field devices directly from the control room using HART IP and HART over PROFIBUS
- Access to Plant Asset Management applications for field devices configuration based on FDT / DTM and EDDL standards (acyclic master)

## Direct Connectivity to PROFIBUS Segments

- Single access point to PROFIBUS DP segment from Industrial Ethernet networks
- Acts as PROFIBUS DP master class 2
- Support of one PROFIBUS DP segment

## Key Component for Transition to State-of-the-Art Technology

- Re-use of existing PROFIBUS segments without requiring modification
- Access to cyclic and acyclic data via HART-IP and OPC UA

# smartLink HW-DP

## Technical Data

<b>Hardware</b>	Processor	Altera Cyclone V SoC with dual-core ARM Cortex-A9
	Status LEDs (Gateway)	PWR, RUN, ERR, BUS
<b>Interfaces and Connectors</b>	Ethernet	IEEE802.3 10BASE-T/100BASE-TX/1000BASE-T RESTful API interface for device configuration
	PROFIBUS DP-V0 / V1	1 Segment with RS485 Physical Layer, Connector: 9-pin Sub-D socket
<b>Physical Properties</b>	Dimensions (H x W x D)	120 mm x 28 mm x 110 mm
	Weight	Approx. 430g
	Power Supply	18 VDC ... 32 VDC; SELV/PELV power supply mandatory Typical input current: 200 mA, maximum input current: 1 A (allowing for in-rush current at switch-on)
	Typical Power Loss	5 W
	Operating Temperature	-40 °C ... +65 °C (see detailed mounting description in user manual)
	Storage Temperature	-40 °C ... +85 °C
	Relative Humidity	10 % ... 95 %, non-condensing
	Cooling	Convection, no fan
	Mounting	DIN rail 35 mm
Protection Class	IP20	
<b>Conformity / Standards</b>	CE	Electromagnetic compatibility (EMC) and Restriction of Hazardous Substances (RoHS) EN 61000-6-2 Generic standards - Immunity standard for industrial environments EN 61000-6-4 Generic standards - Emission standard for industrial environments EN 55032 Electromagnetic compatibility of multimedia equipment - Emission Requirements Class A EN 55011 Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics – Limits and methods of measurement Class A EN 50581:2012/EN IEC 63000:2018 RoHS, Assessment to the restriction of hazardous substances
	FCC	FCC 47 CFR Part 15B Section 15.109 (Class A)
	VCCI	VCCI Voluntary Control Council for Interferences by Information Technology Equipment, April 2015

## Scope of Delivery

Hardware	smartLink HW-DP
Documentation	On Website

## Order Numbers

GEA-YN-026000	<b>smartLink HW-DP</b> , Access to PROFIBUS networks via Ethernet. Supports <b>1 PROFIBUS DP segment</b> (RS485).
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## Additional Products and Services

LRL-DY-134501	<b>dataFEED OPC Suite</b> , Version 4.01 and higher, including all supported PLC protocols, support for OPC UA, access for any number of dataFEED OPC Tunnel Clients, for simultaneous access to a total of up to 100 OPC UA Servers, OPC Servers and OPC Tunnel Servers, and many more Functionalities such as Database and File Access, Data Exchange, Optimizer, Concentrator and Bridge
LRL-DY-14000	<b>dataFEED Secure Integration Server</b> , Version 1.01, single user license for up to 10 OPC UA connections, including care and support contract for 1 year
LRA-NN-027001	<b>smartPlus PB</b> , Licensing access to one PROFIBUS device for smartLink/smartGate
LRA-MM-027002	<b>smartPlus HT</b> , Licensing access to one HART device for smartLink/smartGate

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