

Gateways for Device Integration

Connecting existing devices to new networks

- Integration of single field devices or sub-networks
- Gateway acting as device in the upper network and as controller in the sub-network
- Support of all major Serial, Fieldbus and Industrial Ethernet networks as controller and device
- Support of EATON SmartWire DT technology
- Secure network separation, as only process data are exchanged
- Comfortable commissioning via the Hilscher toolchain



EtherCAT®

PROFINET

PROFIBUS

EtherNet/IP™

DeviceNet™

CANopen®

SERCOS
the automation bus

CC-Link

Modbus

ETHERNET
POWERLINK

SmartWire-DT™
The easy way to connect

Serial

Available formats

	netLINK PROXY	netTAP 50	netTAP 100	netTAP 151	EU5C-SWD
Dimensions (L x W x H)	65 × 48 × 16 mm	100 × 25 × 70 mm*	100 × 52 × 70 mm*	99 × 22.5 × 114.5 mm*	90 × 35 × 127 mm
Protection class	IP 20	IP 20	IP 20	IP 20	IP 20
Mounting	Plug	DIN 60715 rail	DIN 60715 rail	DIN 60715 rail	DIN 60715 rail
Memory card	✗	✗	✓	✓	✗
USB Diagnostic port	✗	✗	✓	✓	✓

Note: All technical data may be changed without further notice.
*without connector



→ Gateways for Device Integration
Hotline: +49 (0) 6190 9907-90
www.hilscher.com

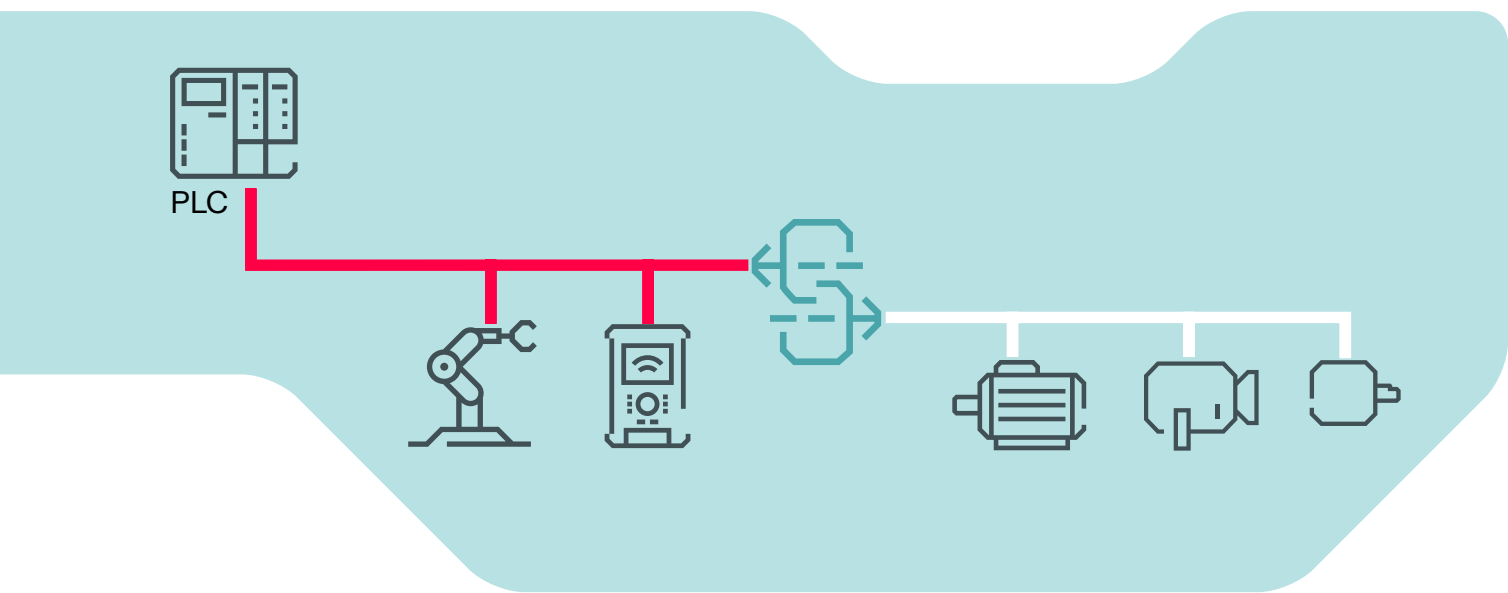
empowering communication

Gateways for Device Integration

Integrate one or multiple field devices into any major control system



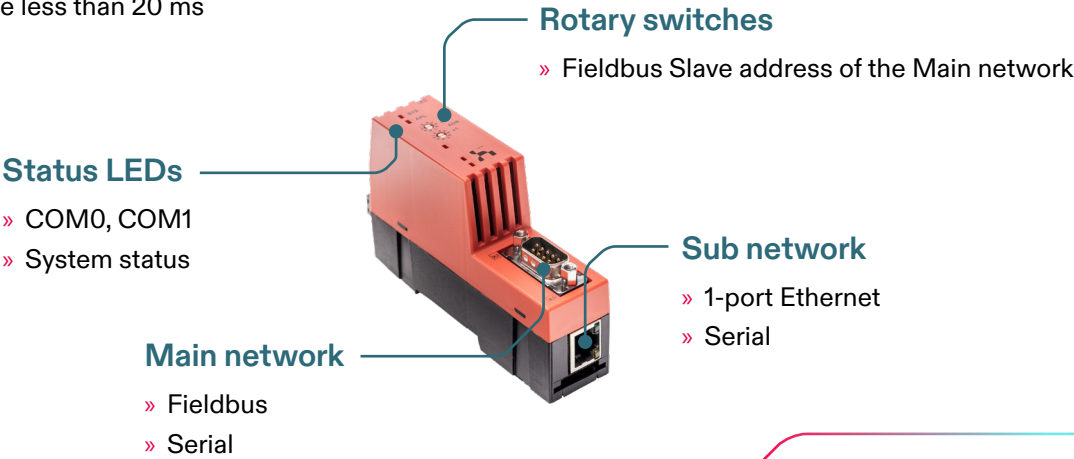
- Connecting existing devices to new networks in case of a technology change, e.g. from Serial to Fieldbus or Fieldbus to Industrial Ethernet
- Maximum convertible number of I/O data is determined by the protocol with the lower amount of I/O data
- Support of cyclic data only and protocol status information



NT 50

Entry class gateway

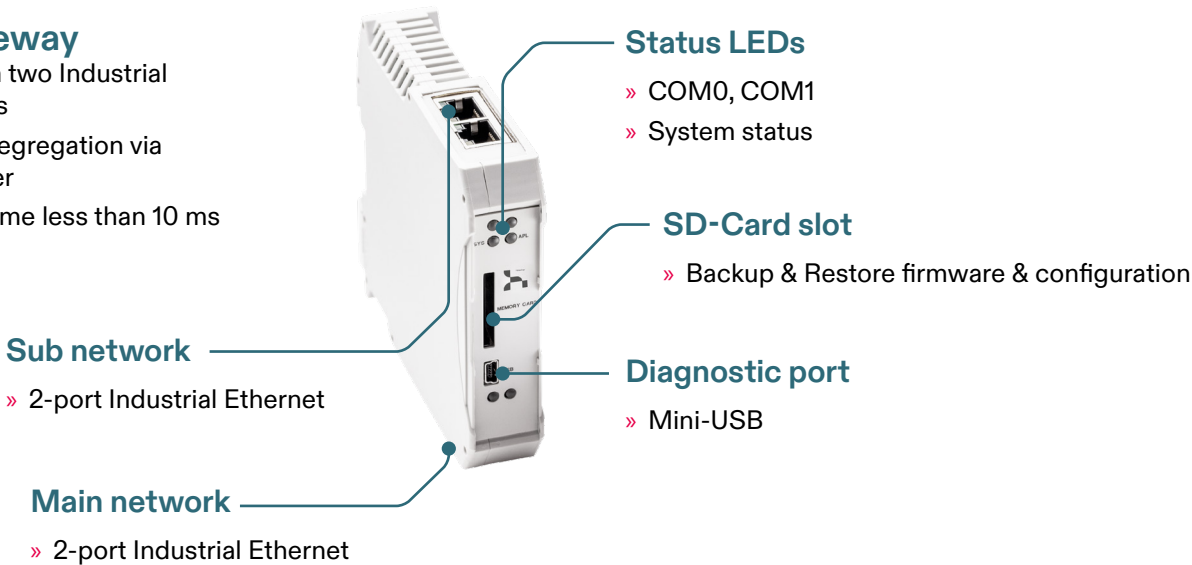
- » Slim and compact design
- » Focus on essential functionality
- » Conversion time less than 20 ms



NT 151

High-end gateway

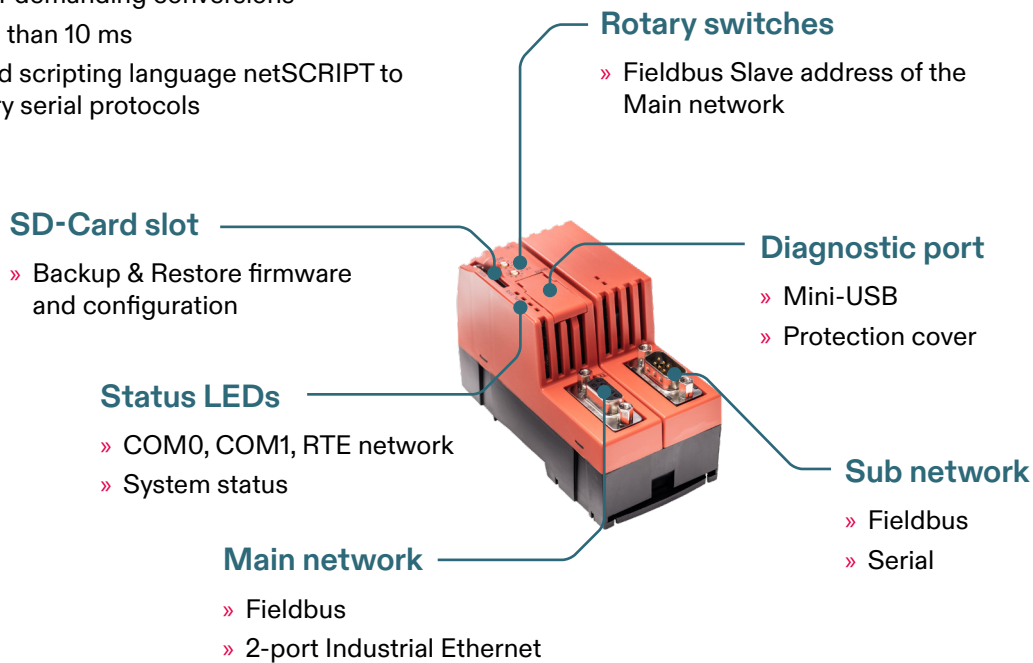
- » Bridging between two Industrial Ethernet networks
- » Secure network segregation via internal data buffer
- » Fast conversion time less than 10 ms



NT 100

Flexible gateway

- » High performance for demanding conversions
- » Conversion time less than 10 ms
- » Support of Lua-based scripting language netSCRIPT to programm proprietary serial protocols



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NL 51N-DPL

PROFIBUS to PROFINET PROXY

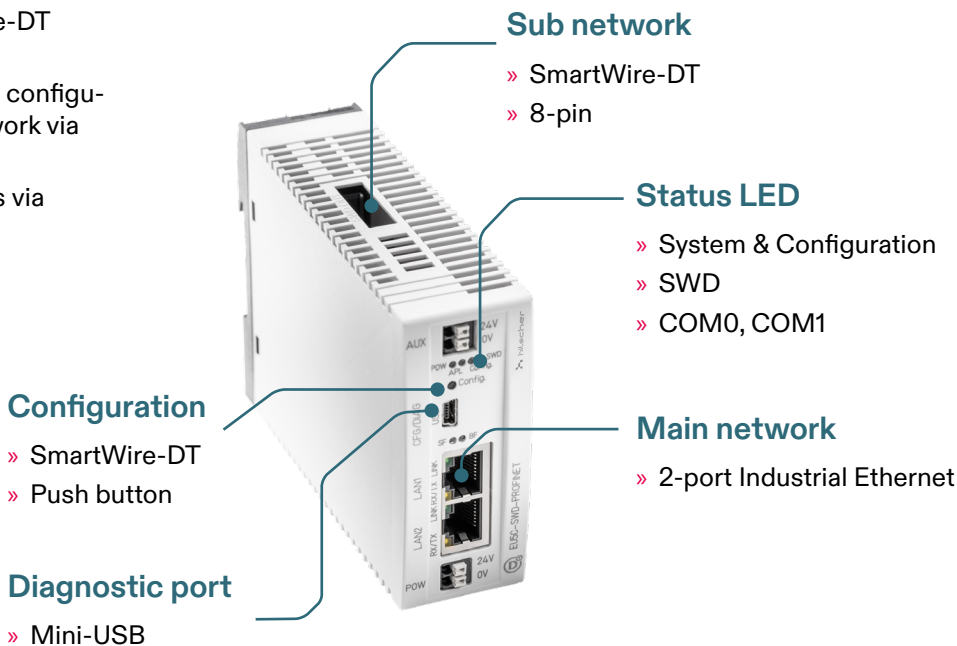
- » Integrates a single DP-Slave into PROFINET
- » For direct mounting on the DP interface
- » Automatic GSDML file generation either from the GSD file or via Scan function to identify the slave
- » Works in accordance with PI-organization's proxy guideline
- » Conversation time typ. 5 ms



EU5C-SWD

SmartWire-DT connectivity to Industrial Ethernet

- » Transparent I/O data mapping of a SmartWire-DT trunk into Industrial Ethernet
- » Featuring full range of 99 SmartWire-DT stations per trunk
- » Automatic topology recognition and configuration setting of SmartWire-DT network via configuration button
- » Advanced functions and diagnostics via SWD-Assist from Eaton (optional)



	netLINK PROXY	netTAP 50	netTAP 100	netTAP 151	EU5C-SWD
Performance Class	PROXY	Entry class gateway	Flexible Gateway	High-end Gateway	SmartWire DT Gateway
Conversion types	» PROFINET to PROFIBUS	» Fieldbus to Serial » Fieldbus to Industrial Ethernet » Industrial Ethernet to Serial	» Fieldbus to Fieldbus » Industrial Ethernet to Serial » Fieldbus to Industrial Ethernet	» Industrial Ethernet to Industrial Ethernet	» Industrial Ethernet to SmartWire-DT
Communication Controller	netX 50	netX 50	netX 100	netX 100 & netX 51	netX 50
Power supply	18 ... 30 V DC	18 ... 30 V DC	18 ... 30 V DC	18 ... 30 V DC	20.4 ... 28.8 V DC
Power consumption	1,8 W	1,8 W	3,2 W	4,8 W	2,66 W
Operating Temperature, Air flow 0,5 m/s	0 °C ... +55 °C	0 °C ... +60 °C	0 °C ... +60 °C	-20 °C ... +60 °C	-25 °C ... +55 °C
Storage temperature range	-40 °C ... +85 °C	-40 °C ... +85 °C	-40 °C ... +85 °C	-40 °C ... +85 °C	-40 °C ... +70 °C
Relative humidity	0 % ... 85 %*	10 % ... 95 %*	10 % ... 95 %*	10 % ... 95 %*	5 % ... 95 %*
CE / UKCA	✓	✓	✓	✓	✓
UL	✗	✗	✓ (E334100)	✓ (E334100)	✓ (E221530)
RoHS	✓	✓	✓	✓	✓
Emission	CISPR 11 Class A	CISPR 11 Class A	CISPR 11 Class A	EN55011 / CISPR 11; Class A	-
Immunity	EN 61131-2:2003	EN 61131-2:2003	EN 61131-2:2003	EN 61000-6-2	EN61131-2:2008

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Product name	Main network	Part number	Protocol number						
			Sub network						
			1-port Ethernet	2-port Ind. Ethernet	Serial	CC-Link	CANopen	DeviceNet	PROFIBUS
netLINK Proxy	PROFINET/IO	1703.XXX							.430
netTAP 50	Serial	1750.XXX	.110		.100				
netTAP 50	CC-Link	1754.XXX	.110		.100				
netTAP 50	CANopen	1756.XXX	.110		.100				
netTAP 50	DeviceNet	1757.XXX	.110		.100				
netTAP 50	PROFIBUS	1758.XXX	.110		.100				
netTAP 100	Industrial Ethernet	1712.XXX	.110		.100	.140	.160	.170	.180
netTAP 100	CANopen	1716.XXX	.110		.100	.140	.160	.170	.180
netTAP 100	DeviceNet	1717.XXX	.110		.100	.140	.160	.170	.180
netTAP 100	PROFIBUS	1718.XXX	.110		.100	.140	.160	.170	.180
netTAP 151	Industrial Ethernet	1722.XXX		.122					
netTAP 151	CC-Link IE Field	1724.XXX		.122					
EU5C-SWD	SmartWire-DT	9233.XXX							.920 - PROFINET / .921 - POWERLINK / .922 - EtherCAT / .923 - SERCOS

