

netTAP 151 CC-Link IE Field Coupler

Gateway CC-Link IE Field Slave to PROFINET IO-Device

- Less than 10ms data processing time between the two networks
- Over 1400 cyclic input and output data in each direction
- 257 further data buffers to exchange acyclic information
- According to official CC-Link IE Field/PROFINET coupler specification
- Automatic generation of GSDML and CSP+ files



The gateway NT 151-CCIES-RE/PNS provides an easy way to efficiently couple a CC-Link IE Field based control system with a PROFINET based control system and their networks. More than 1400 bytes of cyclic input and output data can be exchanged transparently and quickly between the two networks. Further 257 data buffers with 960 bytes each allow the additional exchange of acyclic data on demand.

The device is configured via a mini USB interface. For an effortless integration into the engineering software of the control systems, the configuration tool converts the configured input and output data into a GSDML and CSP + file for a direct import.

The device's functionality complies with the official specification „CC-Link IE Field / PROFINET Network Coupler“ originated from a collaboration between the organizations CC-Link Partner Association (CLPA) and PROFIBUS & PROFINET International (PI). It is the first device in the world working in accordance to this specification.

CC-Link IE is a recognized technology in the Asian market, whereas PROFINET is in Europe and others. The transparent gateway allows plants and assets that are primarily based on either the two network technologies now to be offered internationally without further development effort.

Technical Data / Product Overview

Technical Data	Parameter	Value
	Service Interface	Mini USB
	Displays	LED SYS, RUN, ERR, APL, protocol specific
	Configuration	SYCON.net, Windows® 10
	Power Supply	18 ... 30 V / 180 mA @ 24V
	Connector	Mini-COMBICON 5-pin
	Operating temperature	-25 °C .. +60 °C
	Dimensions (L x W x H)	99 x 22,5 x 114,5 mm (without connector)
	Mounting	DIN-Rail, DIN EN 60715
	Weight	125 g
	CE Sign	yes
	Emission	IEC 61000-6-4:2006 + A1:2010
Noise Immunity	IEC 61000-6-2:2005	
Card Slot	SD card, for data backup and restore	

Data direction	Data quantity
PROFINET to CC-Link IE Field	1428 Bytes cyclic
CC-Link IE Field to PROFINET	1432 Bytes cyclic
Message buffer PROFINET to CC-Link IE Field	960 Bytes acyclic
Message buffer CC-Link IE Field to PROFINET	960 Bytes acyclic
256 user-definable data buffers, bidirectional	960 Bytes per buffer

Note: Technical data may be changed without further notice.

Overview	Product Name	Part Number	Brief Description
	NT 151-CCIES-RE/PNS	1724.122/PNS	Coupler netTAP 151 CC-Link IE Field Slave to PROFINET IO-Device
SD card	1719.003	SD card to realize the backup and restore functions	

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产品及方案:

- CAN 卡
- 通讯协议代码/网关/板卡 (CO,ECAT,DP,PN,DN,EIP,Modbus,CC,IO-Link 等)
- TSN 时间敏感网络开发方案及应用方案
- INtime 实时操作系统 (提升 windows 实时性)
- PLC/软 PLC 开发方案



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