



FL3X TAP 10GBASE-T1

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The FL3X TAP 10GBASE-T1 is a TAP device for 10GBASE-T1. With the FL3X TAP 10GBASE-T1, it is possible to mirror data from automotive ethernet connections to any uplink via SFP+ module. All received network data will be provided over CMP (Capture Module Protocol) and PLP (Probe Logger Protocol) to the uplink. It can be completely configured via the configuration website. The datastream will also be forwarded by FL3X TAP 10GBASE-T1 without power supply.

BENEFITS

- 2.5G, 5G and 10GBASE-T1 mode
- 2 TAPs (4 H-MTD Ports) available
- 4 uplinks up to 10Gbit/s per SFP+
- Using ASAM CMP v1.0 and PLP
- 100BASE-TX port for configuration and TimeSync
- TimeSync with gPTP/PTP support
- Multiple interfaces can be synchronized with PTP
- Completely configurable via website or REST API
- Import and export functionality of config
- Timestamps with ns resolution
- Capturing all packets and layers (e.g. AVB/TSN)
- Traffic shaping
- Traffic forwarded while powerless (plus variant only)
- Sleep/Wakeup support (2 configurable DIO)
- TAP <-> uplink assignment freely configurable
- 8GB buffer (including TimeStamp recalculation)
- Buffering and logger ready support
- Media converter functionality available on request (Debug Mode)
- Ethernet Packet Filtering

HARDWARE

Electrical Characteristics

Supply voltage	8-42 VDC
Supply current (Sleep Mode)	<5 mA (@ 12 V)
Supply current (Operation Mode)	~1 A (@ 12 V)

Physical characteristics

Connectors	2 x SFP+, 12 x H-MTD, 1 x RJ45, 1 x M9m, 1 x SubD9
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Environmental Conditions

Temperature	Operating /Storage:	n.a.
Relative Humidity	0% - 90% RH, non-condensing	

SCOPE OF DELIVERY

FL3X TAP 10GBASE-T1

Power Cable

ORDER INFORMATION FL3X TAP 10GBASE-T1

Product	Description	Order number
FL3X TAP 10GBASE-T1	10GBASE-T1 TAP module for Automotive Ethernet	3-V1120A01
FL3X TAP 10GBASE-T1 PLUS	10GBASE-T1 TAP module for Automotive Ethernet. Currentless conductive.	3-V1120C01

ORDER INFORMATION ACCESSORIES

Product	Description	Order number
10GBASE-T SFP+ copper module	10GBASE-T SFP+ copper module, RJ45	10020420
10GBASE-T SFP+ optical module	10GBASE-T SFP+ optical module, LC	10020432