


FL3X
PRELIMINARY

TAP 100/1000BASE-T1

www.flex-product.com

The FL3X TAP 100/1000BASE-T1 is a TAP device for 100/1000BASE-T1. With the FL3X TAP 100/1000BASE-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 100/1000BASE-T1 without power supply (plus variant only).

BENEFITS

- 6 TAPs (12 H-MTD Ports) available
- 2 uplink up to 2 x 10Gbit/s
- 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
- 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 (Ethernet Wakeup-Line input)
- TAP <-> uplink assignment freely configurable
- 4GB buffer
- Buffering and logger ready support
- Completely configurable via webpage
- Import and export functionality of config
- Media converter functionality available on request

HARDWARE

Electrical characteristics

Supply voltage	8-42 VDC
Supply current (Sleep Mode)	<5 mA (@ 12 V)
Supply current (Operation Mode)	~1.5 A (@ 12 V)

Physical characteristics

Connectors	2 x SFP+, 12 x H-MTD, 1 x RJ45, 1 x M9m, 1 x DIO
Dimensions (L x W x H)	230mm x 155mm x 86mm:

Environmental Conditions

Temperature	Operating /Storage:	-40°C to +70°C
Relative Humidity	0% - 90% RH, non-condensing	

SCOPE OF DELIVERY

FL3X TAP, Power Cable

ORDER INFORMATION FL3X TAP 100/1000BASE-T1

Product	Description	Order number
FL3X TAP 100BASE-T1	100BASE-T1 TAP module for Automotive Ethernet	3-V1100E01
FL3X TAP 100BASE-T1 plus	100BASE-T1 TAP module for Automotive Ethernet - currentless	3-V1100F01
FL3X TAP 100/1000BASE-T1	100/1000BASE-T1 TAP module for Automotive Ethernet	3-V1100A01
FL3X TAP 100/1000BASE-T1 plus	100/1000BASE-T1 TAP module for Automotive Ethernet - currentless	3-V1100D01

ORDER INFORMATION ACCESSORIES

Product	Description	Order number
FL3X SFP 1000BASE-T1	1000BASE-T1 SFP transceiver, SPE	3-01110A01
10GBASE-T SFP+ copper module	10GBASE-T SFP+ copper module, RJ45	10020420
10GBASE-T SFP+ optical module	10GBASE-T SFP+ optical module, LC	10020432
1GBASE-T SFP+ copper module	1GBASE-T SFP+ copper module, RJ45	10020431