

TDX - IP output module

Art. No. 492072

The IP output module is an output module for transmission of digital video, audio and miscellaneous data, encapsulated within one or more MPEG2/DVB single program transport streams.

The transport streams are transmitted by UDP/IP multicasting carried on a GbE. The transport stream packets are encapsulated into UDP/IP packets with a configurable ratio of 3:1 to 7:1, compared with the fixed packet ratio of 1:1 on the TDX's native IP OUT feature.

EIT for the SPTS outputs can be obtained via the TDX's native IP OUT feature as a separate multicast transport stream. The native IP OUT EIT barker multicast has a non-configurable packet ratio of 1:1.

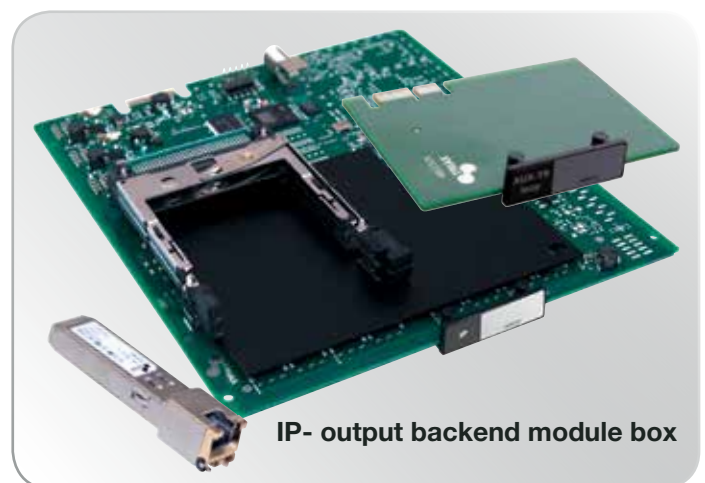
Any UDP/IP multicasting capable device attached to the same network (point-to-point or via a switch) can receive IP data from the output module.

The TDX headend system provides the following functionality when the IP output module has been installed:

- IP multicast streaming (UDP streaming)
- RTP option
- IGMP version 2
- SPTS including SDT, PAT, PMT, CAT
- Packet ratio of 3-7 TS packet per IP packet
- ratio 3-7:1
- Max. BW 720 Mbits/s output per IP output module
- 96 services per IP output module/AUX socket
- Possible to change service ID (SID)
- Possible to select from IP via Link
- 2 x CI slots complying EN 50 221

Box contents

- Item No. 492072 - IP output module
- Item No. 492074 - Auxiliary board
- Item No. 492086 - SFP transceiver RJ45 - copper



Optional hardware

A fibre-optic transceiver can be used instead of an RJ45 SFP transceiver. This is especially relevant for pre-existing optical installations, or for installations with high levels of interference and/or total cable lengths exceeding 100m. The fibre-optic transceiver must be ordered separately.

- Item No. 492087
SFP Fiber 850nm EOLS-8512-MXX (500m)
- Item No. 492088
SFP Fiber 1310nm EOLS-1324-02XX (2km)



Technical data:

- see next page



TDX - IP output module



IP- output backend module pack

Technical data

Type:		TDX - IP output module Auxiliary board SFP transceiver RJ45	
Art. no.		492072	
Input			
Type	950-21 TDX BE proprietary control and data 50		
Connector	PCIe x1 edge connector / RF Connector (F-Connector)		
Maximum input bandwidth	Mbit/s	720	
Data format	Proprietary TDX MPEG2/DVB SPTSs - UDP/IP via GbE		
Output			
Type	950-21 TDX BE proprietary control and data 50		
Connector	PCIe x1 edge connector / RF Connector (F-Connector)		
Maximum total bandwidth	Mbit/s	720	
Maximum peak bandwidth	Mbit/s	940	
Output format	MPEG2/DVB compliant SPTS		
Output protocol	UDP/IP multicast via GbE 3-7:1 TS / IP packet ratio (configurable via GUI) RTP (optional via GUI)		
EIT	No EIT – must be obtained via native IP OUT		
Power supply			
Voltage/current	V/mA	12 / < 600	
Environment			
Temperature, operating	°C	-10...+50	
Temperature, storage	°C	-20...+70	
Humidity, operating	%	20...80	
Humidity, storage	%	10...90	
Mechanical data			
Dimensions, product	mm	162 x180 x12 (21 Cl)	
Dimensions, Triax carton	mm	183 x 266 x 55	
Weight, gross	kg	0.305	
Weight, nett	kg	0.215	
Remarks			
Connectors	Integrated PCB edge connector (PCIe x1) RF Connector type: F-Connector		

Recycling:

This product is manufactured in compliance with current EU environmental and recycling requirements and standards (WEEE, RoHS, etc.). Please observe your local implementation and requirements when recycling.

