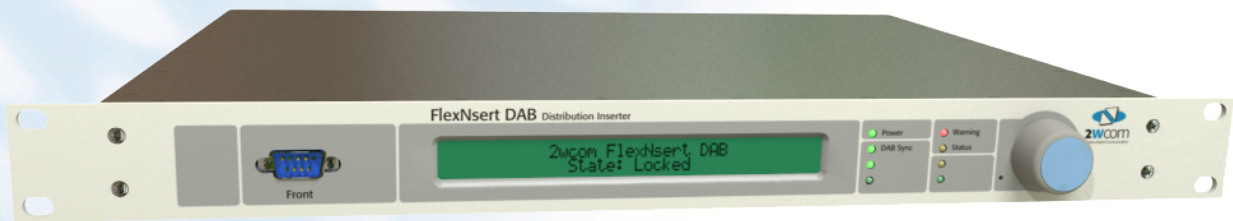


## FlexNsert DAB Distribution Inserter

Professional DAB Distribution Inserter  
for DAB distribution over satellite



 Energy efficient,  
no moving parts, no fan

The 2wcom FlexNsert DAB Distribution Inserter receives a DAB ETI data stream (according to EN 300799) or a DAB EDI data stream (according to TS 102 693). The FlexNsert DAB converts the data stream into a standard MPEG2-TS-signal and outputs it via its transport stream interfaces.

### Data input

- **ETI:** Standardized input stream from a DAB, DAB+, T-DMB multiplexer over a standardized 2MB link (E1)
- **EDI:** EDI performs data transmission via global IP network (ETI via IP). Compared to ETI there is no need of a dedicated line. (optional)

### Transport stream output

- ASI
- Ethernet

### Monitoring and Control

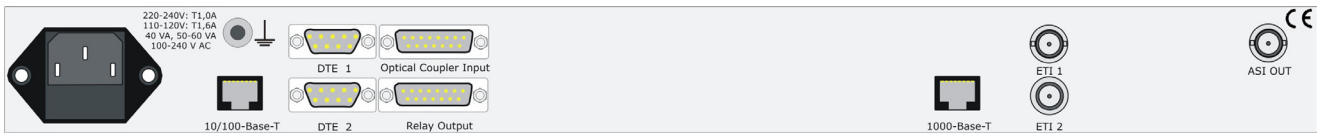
- Via webbased GUI
- Via SNMPv2c and relay (ETI/EDI parameters)
- Via Satellite In-Band Remote Control (SIRC)  
(e. g. changing configuration, firmware update, relay switching via satellite carrier)

### Conditional Access Decryption

- On request

### Advanced functions

- **2wcom FlexOptimized Bandwidth Saving Technology (optional) – saving up to 45% of bandwidth**
- **2wcom FlexRegio Multiprogram Regionalisation Management (optional)**



## FlexNsert DAB Distribution Inserter – Technical Details

### Inputs

#### ETI

Protocol	ETI (NI, G.703), ETI (NA, G.704)
Data rate	2,048 kbps
Coding format	HDB3
Connectors	2x BNC, 75 Ω

#### EDI (optional)

Data Format	RTP, UDP - Unicast/Multicast
Connector	RJ45
Type	Auto switching 10/100/1000 BASE-T

### Outputs

#### ASI

Data	MPEG2-TS
Connector	BNC 270 Mbps

#### Ethernet

Data	MPEG2-TS
Protocol	RTP/UDP or UDP
Connector	RJ45
Type	Auto switching 10/100/1000 BASE-T
Connector	RJ45

### Processing

#### Encapsulation

Format	MPEG-TS
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#### 2wcom FlexOptimized Bandwidth Saving Technology (optional)

#### 2wcom FlexRegio Multiprogram Regionalisation Management (optional)

### Control & Monitor

#### Ethernet

Connector	RJ45
Type	Auto switching 10/100 BASE-T
Data format	HTTP, SNMPv2c, SMTP, UDP
Application	Webbased GUI (at least 3 users, 2 levels) SNMPv2c

#### Satellite In-Band Remote Control (SIRC)

2wcom professional SIRC	optional: request for inform.
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#### Contact closure

Inputs	7 opto isolated inputs 15 pole sub-D female
Outputs	6 standard (SPST), 1 change-over (SPDT) relays (for DC: max. 24 V, 1 A, 10 W), 26 pole sub-D male

#### Front panel

LCDisplay	2x 40 characters
Jog wheel	Impulse, ENTER button
8 LEDs	Power, Signal, Status, Alarm, Warning, Remote, DAB Sync, Data

### General data

Power consumption	20 VA
Case dimensions	19", 1 HU, depth: 310 mm, width: 424 mm, front panel: 484 mm
Weight	<4 kg
Housing	steel plate (aluminum-zinc coated)
Operating temp. range	0...+45°C
Storage temp. range	-40...+70°C
Power supply	internal, 90...260 V, 47...63 Hz
Languages	English

Version 19.05.2014  
These data are subject to  
modifications and amendments.  
Errors excepted

