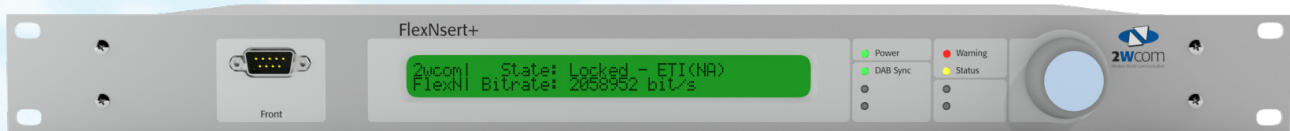


## FlexNsert+ DAB+ Distribution Inserter

Professional DAB+ Distribution Inserter  
for DAB+ distribution over satellite or IP



 Energy efficient,  
no moving parts, no fan

The 2wcom FlexNsert DAB+ Distribution Inserter receives a DAB ETI data stream (according to EN 300799) or as an option 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)

### Advanced functions

- 2wcom FlexOptimized Bandwidth Saving Technology (optional) – saving up to 45% of bandwidth
- E1-ETI to IP (EDI) conversion



# 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 and/or EDI
Protocol	RTP/UDP or UDP
Connector	RJ45
Type	Auto switching 10/100/1000 BASE-T
FEC	TS: ProMPEG FEC Practice #3 release 2 EDI: FEC level 0 .. 7

## Processing

### Encapsulation

Format	MPEG-TS
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### Conversion

Format	E1-ETI to IP (EDI)
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### 2wcom FlexOptimized Bandwidth Saving Technology (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

### Contact closure

Inputs	7 opto isolated inputs
Outputs	15 pole sub-D female 10 standard (SPST), 2 change-over (SPDT) relays (for DC: max. 30 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

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These data are subject to  
modifications and amendments.  
Errors excepted

