



# IBX-640 EIT Merger / EPG Generation



## Featuring

The IBX-640 EN 300 468 EIT-merger / EPG-generation system is a powerful, easy to use EPG generation server, editing and injection software application for Digital headend systems.

Generation of the complete EIT present and following plus schedule tables and descriptors regarding the DVB specifications EN 300 468	Powerful and user friendly
Multiple ASI inputs for EPG data capture	Server can handle 1 / 5 / 9 and 16 ASI inputs
Plug-ins for proprietary data formats	EIT p/f and schedule are extracted from the input stream
Graphical table editor (GUI)	Context sensitive help
Support of segmented or un-segmented EIT	Generation of the DVB-EIT present/following tables
Multiple transport stream table generation over ASI or IP	Generation of the DVB-EIT schedule tables
Full 32 Transport stream support via table PID remapping	Flexible per segment repetition rate control
Includes standard and private descriptors	Fixed or variable net output bit rate
Imports and generates Electronic Program Guide (EPG)	Maintains EIT consistency and information integrity
For all kind of operators (cable, satellite, terrestrial, etc.)	Running on a powerful server architecture
Parental rating descriptor	Upgradeable to external DVB-EIT import
Client / server architecture with central database and single or multiple terminals	Export/Import to file capability – XML formats (other formats using separate plug-in)
Scalable and configurable	Injects the resulting SI stream into a DVB multiplexer

Optionally the unit can dynamically update all tables (e.g. IBX610).

Customer specific versions e.g. for data insertion, for SI-backup (if from other source), DVB running status control, etc.

The application can be combined with other applications from Intellibyte on the same hardware platform (e.g. DBC, STB system software download) or a full fledged SI generator, etc.

The hardware consists of a professional server from HP-Compaq with a high performance DVB-ASI input/output card from DekTec (ASI input/output stream card DTA-140) plus a 4 DVB-ASI input card DTA-124 (Option B...D).

### Specifications:

- Operating system: SuSe Linux
- Max. Output Bit Rate: 120 MBit/s (byte-mode)
- Dual 10 BaseT, 100 BaseT, GigE connections
- DVB-ASI connector: BNC, 75Ω
- Packet Size: 188 or 204
- Max. Jitter: 70 ns p-p
- Power: 100...230 Volt, 0...60 Hz
- Size: 19" wide, 1 RU height, 70 cm depth

### HP Hardware Options:

- Hot plug redundant power supply
- RAID mirror backup HDD

### DekTec Output Card Options:

- QAM RF output
- QPSK RF output
- OFDM RF output

Options A...D: 1 (one) ASI input, 5 (five) ASI inputs, 9 (nine) ASI inputs or 16 (sixteen) ASI inputs are available

Option E: Data injection will use unused bandwidth (null packets)

Option F: Multiple features: plus SI-generator or/and Data Broadcast Carousel (DBC)

For more info, please contact:

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