



## Abel Digital Bridge

### Need an affordable bridge to digital TV?

Abel Digital Bridge is a pre-integrated solution enabling even small cable operations to cross the chasm to digital.

The difference: Digital Bridge is an off-the-shelf solution. Standard configuration gives good economy for both operator and vendor.

#### Abel Digital Bridge comprises:

- Conditional Access System
- Encoders and Multiplexers
- QAM modulators
- STBs and CAMs
- EPG generator and play-out
- Subscriber Management System (optional)

now you're able





### Head end operation:

- Content are acquired from satellite or other sources using existing IRDs (not incl.). Content is received in analogue or digital form.
- Supports MPEG2 and/or MPEG4, SD and/or HD encoding of the analogue content.
- Multiplexes the encoded content into multiple programme transport streams.
- Encrypts channels as appropriate. The multiplexer features Common Scrambling Algorithm encryption controlled by Abel ECM Generators.
- Includes PSI/SI, EPG data and EMMs in the transport stream.
- QAM modulation.
- Racks and computers (optional, may be acquired locally for local support).

### Administrative operation:

- Subscriber Management System (optional through partners) takes care of subscriber registration and enabling for content products. Provides billing. May accept Web and SMS content requests from subscribers.
- Abel CAS: rights (EMM) generation and EMM export.
- EPG generation: EPG data can be acquired from air and/or directly from broadcasters.
- Configuration and monitoring.
- Common administrative platform [SMS, CAS, EPG] for multiple head-ends possible.

### User placed equipment:

- STBs: zapper, SD, HD, DVR, DTA and more.
- Abel User smart cards for STBs or CAMs.
- Abel embedded CAM for STBs and IDTVs.

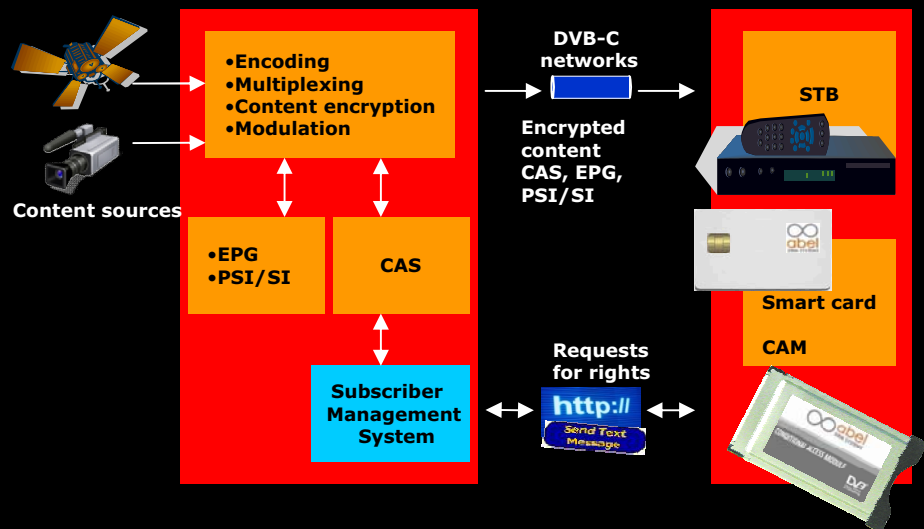
### Interoperability:

- Although pre-integrated, all main components may at operator's discretion be replaced by components from other vendors doing the same function
- Abel CAS can be replaced by another CAS both at head-end and in STBs – cf. Abel Dual unique concept.
- STBs from other vendor than the original may be phased in in parallel with existing STBs.
- Encoders and multiplexers from other vendors may also be used in parallel with the original encoder/multiplexer lineup as long as DVB compliant.

### Miscellaneous:

- Complete solution for CATV operators.
- Pre-integrated off the shelf.
- Very easy to install.
- World class components.

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