Uno sguardo sulle nostre soluzioni Broadcast per il Dab+

In collaborazione con:

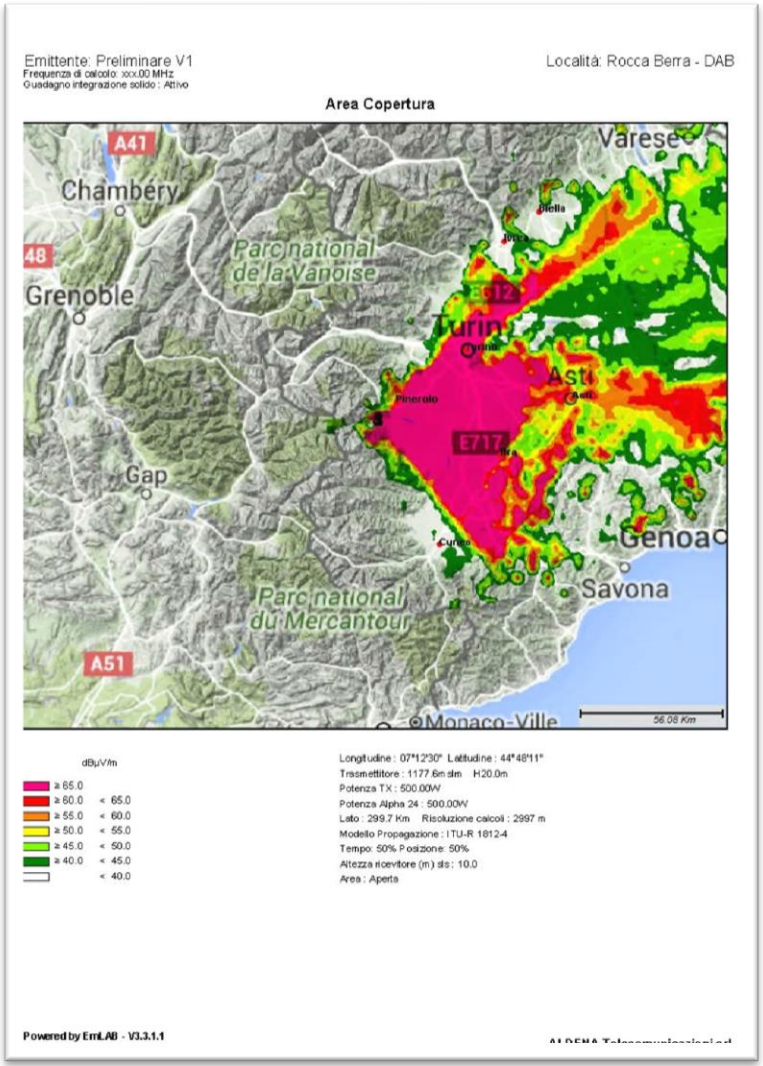
DiGiDiA
Intelligent digital communications

Delta Meccanica

Aldena
The Reliable Antennas

DEVA® BROADCAST

Progettazione dedicata di sistemi radianti



EMLAB RF SOFTWARE

Progetto di antenna dedicato

Calcolo preliminare copertura radioelettrica

Verifica PDV Ministeriali (punti di verifica)

Gestione dati RD2 per
Catasto nazionale delle frequenze (AGCOM)

Pratiche Arpa

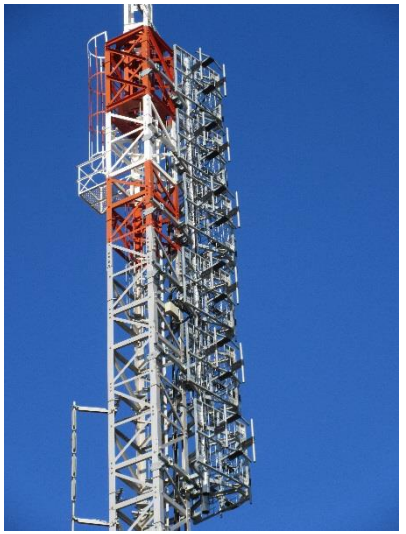
Progettazione dedicata di sistemi radianti

Antenne Plug&Play

NUOVE ANTENNE OMNIDIREZIONALI

Antenne
Alta direttività
(Alto Guadagno)

Array di antenne
complessi



Costruzione di una soluzione completa

Sistema completo per la trasmissione DAB+ per 12 canali "ON AIR"

Sistema d'antenna a doppio dipolo

300W DAB+ Filter

12 Audio over IP Channels inputs

Trasmettitore

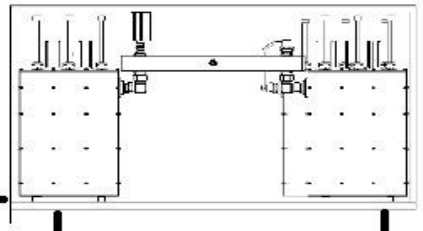
DAB/DAB+ TX

Costruzione di una soluzione completa

Sistema completo per la trasmissione DAB+ per 12 canali "ON AIR" con diplexer

Sistema d'antenna a doppio dipolo

Combinatore DAB+



12 Audio over IP Channels inputs

Trasmettitore 1

DAB/DAB+ TX

12 Audio over IP Channels inputs

Trasmettitore 2

DAB/DAB+ TX

More than 10 years of Innovation, Investment and International presence

- Company created in May 2005

- Founded by former Harris employees with a strong experience in the digital Radio & TV broadcasting technologies

- R&D orientated company:
  - All products are conceived and developed internally
  - Know-how both in hardware and software

- Fields of excellence:
  - Expertise in COFDM encoding/decoding
  - Expertise in 'IP Based' Technologies
  - Expertise in Software Defined Radio

Business Areas:

- Digital Radio Broadcasting
- Synchronous FM Radio Broadcast
- Transportation Safety&Security
- Defense&Aerospace
- Specific Projects

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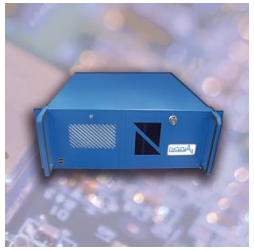
Prodotto modulare ed espandibile

- FlexiDAB -
-DAB/DAB+/DMB Head-end System -

Modularità del FlexiDAB

Create il vostro personale sistema di multiplexing!



FlexiDAB
1,2 or 4 RU – 19”
Industrial PC

- DAB Audio Encoder (MPEG Layer II 24kHz-48kHz)
- DAB+ Audio Encoder (Mpeg4 AAC HE v2)
- DMB Audio Encoder (Mpeg4 AAC HE v2)
- DLS Inserter
- API for FIG (SI Inserter)
- Automatic Configuration Scheduler
- AFS & Service Following
- Announcment Support & Switching
- Local Break-in
- SFN Adapter (TIST Inserter)
- SNMP Agent (MIB v2)
- 1+1 Redundancy Manager
- Additional ETI Input and/or output (NI or NA)
- Band III RF Output
- Audio over IP Input (MP3 over MPEG-TS or Icecast Others on demand)
- Internal Audio Board
- External Audio Panel
- IP Tunnelling (With EPM)
- BWS
- Slide Show
- EPG Inserter (MOT, TDC)
- TPEG Inserter (MOT, TDC)
- Journaline Encoder and Inserter
- DMB Video Inserter
- Dual Power Supply (Auto range)
- ETI (NI or NA) Output (BNC 50Ω)
- RAID 1 Hard Disk System
- Two Ethernet Ports for control and I/O (RJ45)
- EDI (ETI over IP) Output
- Embedded GPS Receiver and NTP Server
- Web Server (HTTP; HTML)
- Windows 7 Operating System
- Synchronization Inputs (Time, Freq., UTC)

In Blue: Common & Standard Features

Create your DAB head end - step by step

Step 1: Selezionate la piattaforma di calcolo

- 1RU, 2RU, 4RU, Cube,
- Virtual Machine (installazione e configurazione remota da DIGIDIA)
- Vostro PC o server (installazione e configurazione remota da DIGIDIA)

Step 2: Selezionate le opzioni hardware

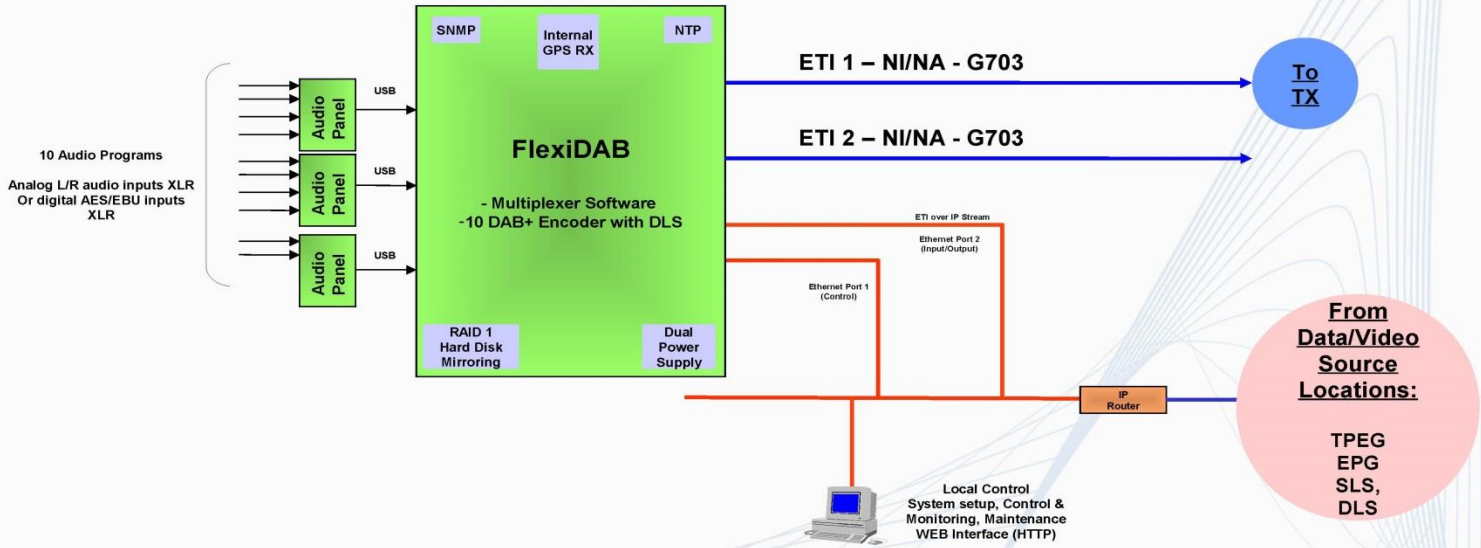
Ingressi: Audio Boards, Audio Panel, ETI
Uscita: RF , ETI

Step 3: Selezionate le opzioni software

Ingressi: Audio over IP, EDI, TS
Audio Encoders: DAB, DAB+, DMB, Surround
Data Encoders: Journaline, SLS, BWS, TPEG, EPG
Altri: Service Following, Announcement, Local break in, Scheduler, TMC, EWS

DiGiDiA

The Specialist of Digital Radio Transmission Systems



DiGiDiA

Key Projects

/// DAB+ Complete Head-end system for the national multiplex in Hungary

DAB/DAB+ /DMB

Antenna Hungária

Complete system integrated in a 19" Rack

The 19" Rack includes:

- 1+1 Redundant DAB+ Head-end system (FlexiDAB)
- Ensemble Multiplexer with 10 DAB+ Audio Encoders & PAD inserters, EPG & TPEG NPAD data
- SFN operation

System Upgrade and supply of additional products for Magyar Radio

This Upgrade includes:

mr Magyar Rádió

- 1+1 Redundant DAB+ Head-end system (FlexiCOD)
- Service Multiplexer with 8 DAB+ Audio Encoders with PAD inserters

WORLD DAB Member

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Sistemi di monitoraggio

EasySPY DAB – Caratteristiche principali

- DAB Monitoring System basato su di una piattaforma PC

- Sistema di monitoraggio Multi-ensemble e multi-decoder

- Può eseguire il monitoraggio simultaneo o separato dei segnali EDI/ETI ed RF

- Rispondente alla famiglia di standard Eureka147 (EN 300 401,TS 102 563, TS 102 427/428, TS 102 693, TS 300 799, TR 101 496 -1,-2,-3 Linee guida…)

- Funzione di registrazione file ETI (da EDI, ETI oppure RF)

- DAB (MPEG 1/2 Layer 2) e DAB+ (MPEG4 AAC HE V2) Audio Decoder

- SFN Monitoring (Opzionale) / Internal GPS Module (Opzionale)

- Videata con tutti I servizi e VU meters in tempo reale

www.enricopietrosanti.com

BROADCAST TOOL

Model DB3012

ADVANCED DAB/DAB+ & IP AUDIO CONFIDENCE MONITOR

- DAB/DAB+ compliant receiver
- Support for Program Associated Data (PAD)
- Predefined DAB channels scan or manual tune
- Detailed DAB component information
- High-end digital tuner
- Wide angle, easy to read OLED display
- Very Intuitive Navigational Menu
- Quick Service access via 4 Presets
- Real Time Audio Program Streaming
- Built-in easy to use WEB and FTP server
- Apple and Android devices support
- Protected access to the device settings
- Wide operating voltage range: 100-240V AC
- Bright bar graph LED metering of the RF and Audio Levels
- Headphone output with front panel level control
- Advanced Internet Radio Monitoring Capabilities

The DB3012 has been developed to bring you quality of sound in addition to ease of operation and programming. Fully compliant with the DAB/DAB+ standard, it is a guarantee of top monitoring performance.

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Grazie per l'attenzione!

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