APPLICATIONS

- EDI/ETI monitoring, analyzing and recording anywhere in the DAB network: at the encoder outputs (in the studios), at the output of the service or ensemble multiplexers or at the input on the transmitter site
- RF monitoring and analyzing at the transmitter sites or in the field
- Live monitoring with audio listening and complete view with VU meters

KEY BENEFITS

- Field Proven: Used in France, Australia and Poland
- One solution for separate or simultaneous EDI, ETI and RF Monitoring
- Extremely portable solution on different industrial PC platforms (1RU,2RU, 4RU, Cube)
- Flexible and compact all in one box solution: Multi-ensemble and multi-decoding (audio and data) for DAB/DAB+/DMB
- New customized features can easily be added thanks to straight forward, flexible and modular software architecture

TECHNICAL SPECIFICATIONS

INPUTS / OUTPUTS

1 x digital (balanced) on RCA or S PDIF coaxial connector or 1x analog (balanced, 10kΩ minimum) audio output on '' female TRS connector via ¼ internal audio PCI board (hardware option)

Audio over IP output: MP3 over Icecast or MPEG TS and others on demand (ex. Livewire)

Up to 32 EDI inputs with on Ethernet 10/100 Base T – RJ45 connector GBE

Option: HDMI Output for audio and video with HDMI PCIe board

With additional RF PCI board (up to 4 boards on 4RU IPC, or 2 on 2 RU IPC, or 1 on 1 RU IPC and MiniPC)

- 1x GPS aerial input on 50Ω TNC connector (only with GPS option) - 2xETI(NI,G703) or ETI(NA,G704) inputs on 50Ω BNC connectors

  Or
- 1 x RF Band III (174928 MHz-239200 MHz) input on 50Ω BNC (-71dBm RF sensitivity)

FEATURES

Fully compliant with all the Eureka147 family of standards (EN 300 401, TS 102 563, TS 102 427/428, TS 102 693, TS 300 799, TR 101 496 -1,-2,-3 Guidelines…)

Different Industrial PC platforms on Windows OS available: 4RU, 2RU, 1 RU or Mini-PC.

All with 2 Ethernet Ports on RJ45 connector.

Dual Auto-range Power Supply RAID, 1 Hard Disk Redundant System(for 2RU and 4RU Platform only)

Multi-Ensemble monitoring with multi-decoders

Option: GPS receiver module on RF PCI Board with NTP server for SFN monitoring

On air or ETI/EDI recording in ETI files

AUDIO DECODER SOFTWARE OPTIONS

All audio encoders are compatible with 32/48 kHz sample rates and are delivered with a graphical VU meter display

- DAB audio decoders (based on MPEG-1 / 2 Audio Layer II)
- DAB+ audio decoders (based on MPEG-2 /4 HE AAC with SBR and PS)
- DMB audio decoders (based on MPEG-2 /4 HE AAC)

MONITORED EDI/ETI METRICS

DAB mode, FIC Flag, ERR byte display

CRC conformity check (Header & stream level)

Number of streams (NST), Type of stream

For each stream: sub channel identifier, protection level, bit rate, start address, stream length

MONITORED RF METRICS

- Input RF frequency Band III (174928 MHz-239200 MHz)
- Remote Web Display of FIB CRC, MER, CIR, spectrum, PAPR (Crest
- Factor) and constellation measurements
- Option: SFN Monitoring including CIR & TII with GPS temporal position

ELECTRICAL

AC Input: 110-240 V, 50/60 Hz

MECHANICAL

Temperature Range:
Operating: 0°C to 50°C
Storage: -20°C to 70°C
Humidity: 10% to 90% at 50°C

CONTROL AND MONITORING

Remote control through a web server with user friendly GUI

SNMP Monitoring (MIB V2)

CREATE YOUR OWN DAB/DAB+/DMB MONITORING SYSTEM!