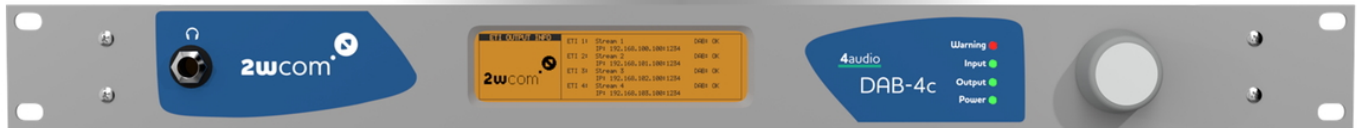## 2wcom's 4audio DAB-4c new high-density Converter für hybride Distribution

Thinking of DAB+ it is obvious broadcasters have to deal with some special challenges. For example, operating DAB in expanded networks including EDI and ETI multiplexers as sources, operating legacy ETI and EDI transmitters in parallel or operating DAB in already existing infrastructures originally not intended for DAB - e.g. DVB-S/S2 or ASI. 2wcom says its new DAB-4c converter provides a well thought out concept and several features to navigate through the time of switchover until a new homogenous system is installed. The device allows tor receive data signals from legacy ETI and EDI multiplexers at the same time and to convert the signals respectively to the EDI/ETI transmitters in the field. As a high-density solution the device offers four ETI outputs and four ETI bidirectional interfaces (in/out) to increase the number of ETI outputs if e.g. ETI mirroring is needed. Moreover, it is equipped with two Ethernet data interfaces in and out. In addition, an optional satellite tuner enables integration into cost-efficient, already existing satellite distribution systems to optimize coverage and distribute programs to regions that are still lacking broadband IP. For synchronization of all sites, the DAB-4c can use PTPv2 or an external 10 MHz signal and in case of failure, an internal recovery from the EDI stream by jitter removal assures an ongoing synchronized transmission. Regarding transmission robustness, the device provides the possibility of seamless switching between two EDI or ETI sources (PFT Dual Streaming).

To ensure high compatibility the solution accords to specifications like ETSI EN 300 40, ETSI TS 102 563 V1.1.1., EN 300 799 or ETSI TS 102 693 V1.1.2 and supports Uni- / Multicast (IGMPv2/v3) as well as UDP/DSP.

The DAB-4c is fully configurable via web interface or remotely via SNMP trap (get & set). In addition, the device offers real time statistics and monitoring of the main DAB+ parameters and on air monitoring at transmitter sites is possible by an optional integrable DAB tuner.

www.2wcom.com