



# Integrated Circuits

## DIB7090P and DIB8096P

### DVB-T and ISDB-T SoC's for cost effective TV receivers

**DIB7090P and DIB8096P tuner-demodulator SoC's concentrate all the DiBcom experience in field proven and high performance TV reception.**

DIB7090P (DVB-T) for Europe or Asia, and DIB8096P (ISDB-T full-seg) for Japan or Latin America are pin to pin compatible.

DIB7090P is Nordig 2.0, DTG and MBRAI (IEC62002) category b compliant.

DIB8096P is ARIB and SBTVD compliant.

They embed the very last generation of low power VHF-UHF tuner, very high linearity and zero-IF architecture ensuring the best behavior even in presence of strong interferences.

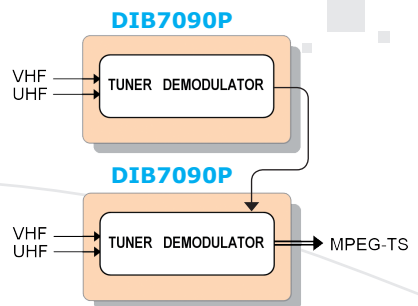
The COFDM demodulation includes the patented algorithms that built DiBcom's reputation for many years, allowing the chip to retrieve any useful signal for unrivaled reception quality.

Two same chips can be daisy-chained to offer a diversity or a dual reception solution.

They target entry level Set Top Boxes (STB), TV sets, PCTV and PC accessories, but also high-end PVR STB, or TV sets with Picture in Picture (PiP) function.

### MAIN FEATURES :

- DVB-T & ISDB-T chips are pin to pin compatible
- Frequency range : 47 to 860 MHz
- High sensitivity.
- High linearity
- Low power consumption
- COFDM advanced signal processing
- Diversity capability
- Output : MPEG-TS parallel or serial
- High monitoring capability
- Fast scanning support
- Package : QFN 64 pins 9x9mm



Diversity or dual reception architecture



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