

AT1201

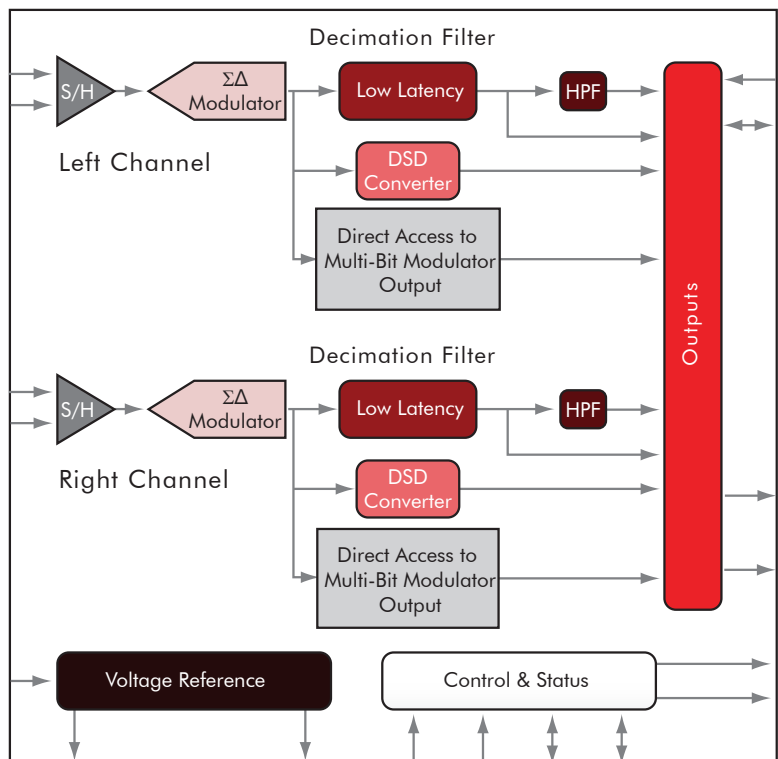
Audio A/D Converter

Features

Dynamic Range: 124dB
 THD+N: -105dB
 Sampling Frequency: up to 384kHz
 PCM, Multi-Bit and DSD Outputs
 Low Latency Antialias Filter
 Digital High Pass Filter
 Overflow Indicator
 QFN-64 Green Package

Applications

Digital Audio Mixing Consoles
 Live Sound Production
 Broadcast Studio Equipment
 Data Acquisition



AT1201 Block Diagram



The AT1201 is a 24-bit stereo A/D converter designed for the most uncompromising high performance audio systems. Using proprietary multi-bit sigma-delta modulation, the AT1201 provides the industry's highest dynamic range, excellent THD and a sampling rate of up to 384kHz.

On-chip digital filters are designed for perceptually transparent response at all four sampling rate modes: 48kHz, 96kHz, 192kHz, and 384kHz. Multi-bit modulator and DSD outputs enable the use of external filters, and all three outputs (PCM, DSD, and multi-bit) can be enabled simultaneously.

AT1201EVK Evaluation Kit

The evaluation kit for the AT1201 provides an easy to use platform for evaluating performance and functionality.

To use the evaluation kit, you will need:

1. AT1201EVK Evaluation Kit
2. Audio Analyzer such as Rohde & Schwarz UPV or Audio Precision SYS-2722
3. Power Supplies for +6V and $\pm 8V$
4. XLR cables for Audio input
5. XLR cable for AES3 or optical cable for S/PDIF

For an evaluation kit, please contact sales@ardatech.com.

