

Arm Cortex-M based IoT smart sensors



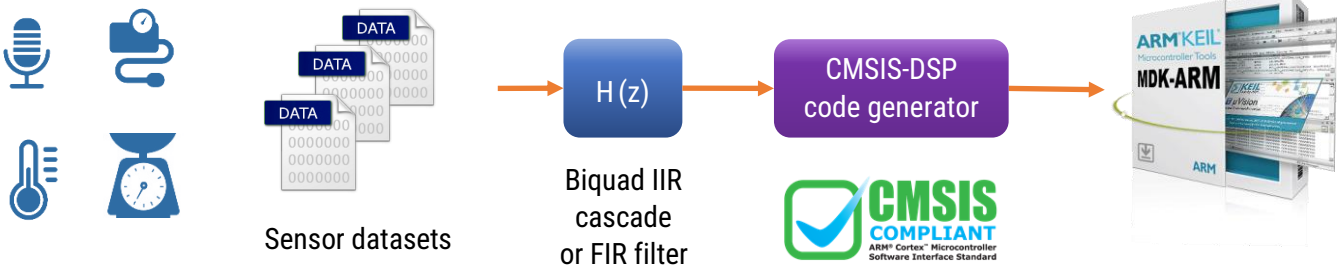
HIGHLIGHTS

- ▶ Powerful DSP experimentation platform
- ▶ Real-time filter designer & signal analyser
- ▶ Fixed (Q7, Q15, Q32) and single precision floating point filters
- ▶ Cut development time by up to 75%
- ▶ 100% compliant Arm CMSIS-DSP code generation
- ▶ Easy integration into Arm/Keil MDK

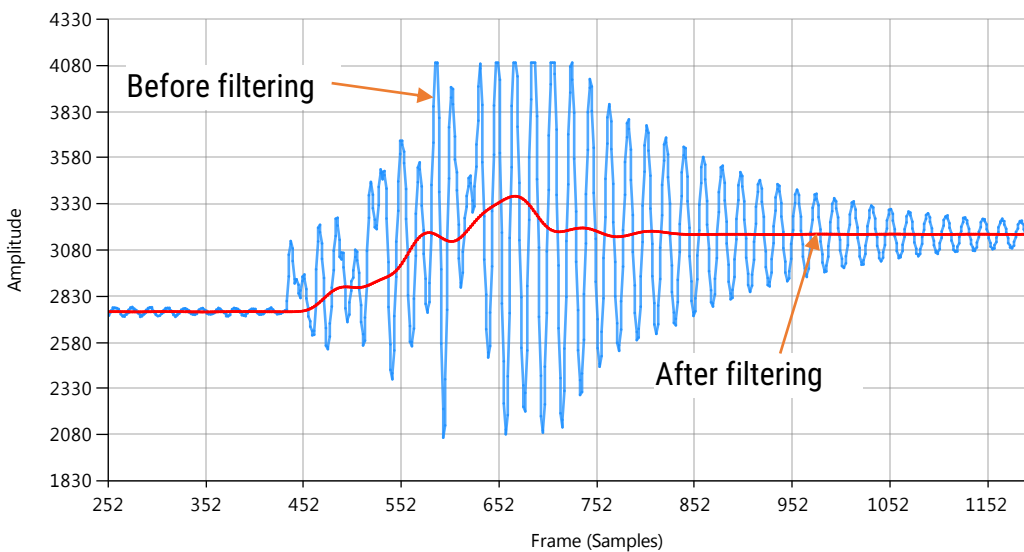
DESCRIPTION

Easily experiment and implement filters for a variety of IoT smart sensor applications, including: loadcells, strain gauges, torque, pressure, flow, temperature, microphones, geophones, vibration, infra-red gas and ultrasonic sensors and assess their dynamic performance in real-time for a variety of input conditions. Perform detailed time/frequency analysis on captured test datasets and fine-tune your design. Our Arm CMSIS-DSP automatic code generator speeds up deployment to Cortex-M micro-controller projects in Arm/Keil MDK.

TOOL WORKFLOW

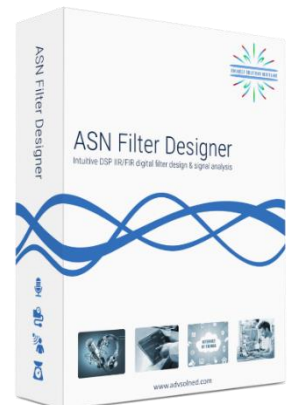


TYPICAL FILTERING RESULT



APPLICATIONS

- ▶ IoT smart sensors
- ▶ Instrumentation & measurement



Request demo: www.advsolned.com/asn_filter_designer.html

IoT smart sensors



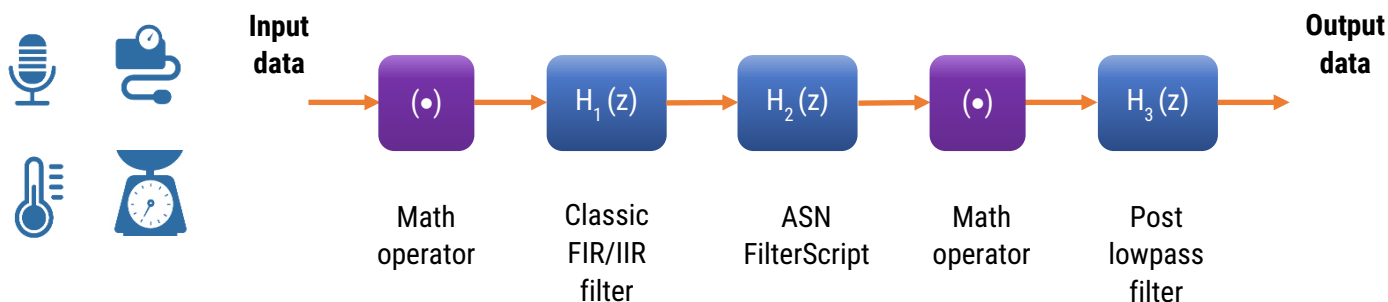
HIGHLIGHTS

- ▶ Powerful DSP experimentation platform
- ▶ Real-time filter designer & signal analyser
- ▶ Live math scripting IDE
- ▶ Fixed (8-32bit) and floating point filters
- ▶ Cut development time by up to 75%
- ▶ Export design to Matlab, C and more

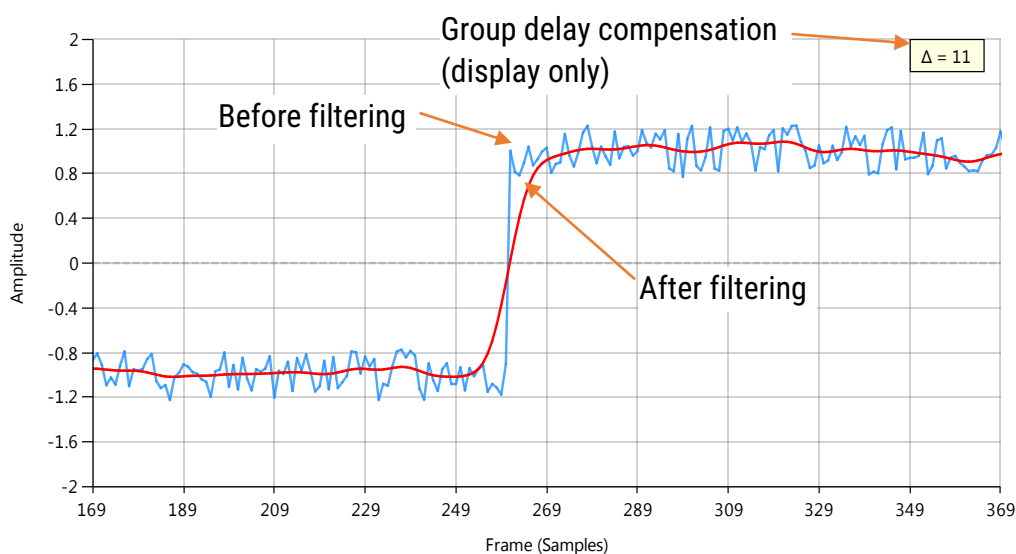
DESCRIPTION

Easily experiment and implement filters for a variety of IoT smart sensor applications, including: loadcells, strain gauges, torque, pressure, flow, temperature, microphones, geophones, vibration, infra-red gas and ultrasonic sensors and assess their dynamic performance in real-time for a variety of input conditions. Perform detailed time/frequency analysis on captured test datasets and fine-tune your design. Our ANSI C royalty free deployment software framework speeds up deployment to a DSP, FPGA or micro-controller.

TOOL IP BLOCKS

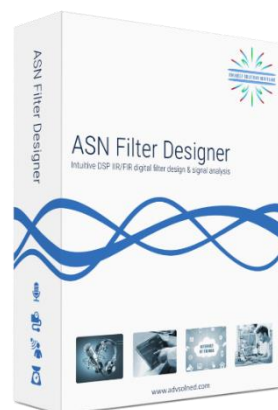


TYPICAL FILTERING RESULT



APPLICATIONS

- ▶ IoT smart sensors
- ▶ Low power wireless nodes



Download a free demo: www.advsoled.com/asn_filter_designer.html