

ATC 2025 DEMO LIST

Demo Category	ATC Booth #	Demo name	Description of the demo
ADC (ADEF/COMs)	ATC1	Apollo: AD9084 Direct RF Sampling architecture & MxFE family	Apollo- Live demo (Dynamic Reconfig)
ADC (ADEF/COMs)	ATC1	Apollo: Direct RF Sampling architecture (AD9088)	Static demo to showcase the part functionality and board
ADC (ADEF/COMs)	ATC2	ADSY1100 Apollo Based SoM	AD9084+FPGA+RF front end in 3UVPX
ADC (ADEF/COMs)	ATC2	Quad Apollo 16T16R Multi-Chip Synchronization	16T16R chip synchronisation
ADC (ADEF/COMs)	ATC2	Manta Ray Antenna Systems- Complete Radar chain	Antenna Systems for Array Radars(Complete Radar Chain)
ADC (ADEF/COMs)	ATC2	Wideband RF front end for MxFE family.	0.1GHz - 55GHz RF Front End
ADC (ADEF/COMs)	ATC2	SDR SoM with ADRV9002	Jupiter SDR (ADRV9002)
ADC (ADEF/COMs)	ATC2	Beamformer + Quad Integrated TR module	ADAR1000 + 4x TR Modules of the ADTR series
ADC (ADEF/COMs)	ATC2	Stingray X band Phased Array board	ADAR1000 + ADTR1107 based 32 element X band Phased Array
ADC (ADEF/COMs)	ATC2	Quad channel Up and Down converter designed for X Band	X-band up/down converter
ADC (ADEF/COMs)	ATC2	Octopus - Wideband Multi function Phased Array system	2-18GHz Phased Array sub-system.
ADC (ADEF/COMs)	ATC3	Apollo: AD9084 Direct RF Sampling architecture & MxFE family	Apollo-Live (Board to Board MCS)
ADC (ADEF/COMs)	ATC11	Quad MxFE - AD9081	Multi-chip synchronization with AD9081
ADC (ADEF/COMs)	ATC12	Navassa Multi-Chip Synchronization Demo	Deterministic Latency and RF PLL Phase Sync with ADRV9002
ADC (ADEF/COMs)	ATC14	Transceiver Family	ADI 's Transceivers family -Tailored for different Market Segments
ADC (ADEF/COMs)	ATC14	Nevis SOC Demo	Low SWAP Radio Design with Nevis (ADRV910x)
ADC (ADEF/COMs)	ATC15	Samana DPD demo	DPD + ADI RF Front End and Exernal PA(Skyworks)
ADC (ADEF/COMs)	ATC16	Direction Findning and Jamming solution	RFSDR - Pluto
ADC (ADEF/COMs)	ATC17	Small Cell Demo	With Madura transceiver/ Picocomm , NXP, EDGEQ baseband
ADC (ADEF/COMs)	ATC17	FR3 RF Front End	6G FR3 Reference Design for Wireless Test
ADC (ADEF/COMs)	ATC17	RFE for n78 reference design	For Massive MIMO
ADC (ADEF/COMs)	ATC17	mmWave board reference design	ADI reference design

Automotive	ATC4	Wireless Battery Management Systems	Wireless BMS solution. wBMS SOC Demo
Automotive	ATC20	Gigabit Multimedia Serial Link (GMSL)	Surround View system solution using GMSL
Automotive	ATC21	GMSL demo with RPI8 and IMX8/9	High end display solution using GMSL technology
Automotive	ATC22	GMSL: SVC Demo with stitched image	360 Deg view for ADAS and other application
Automotive	ATC23	Key Phrase Recognizer	Phrase recognition for applications such as in-cabin and exterior voice control
Automotive	ATC24	Wired BMS Demo	Demonstration of BMS solution from ADI (Lynx + Panther)
Automotive		Road Noise Cancellation CAR demo	
Automotive	ATC24	Low Voltage Battery Management Systems demo	Battery management solution for 48V EV
Automotive	ATC24	wired BMS Emulator demo	
Automotive	ATC24	Battery Management Systems - high voltage	High voltage BMS for EV vehicles (Same as row 24)
Automotive	ATC25	Auto: Lighting demo	LED lighting demo for Front/ back and day light running lamp
Automotive	ATC26	STEER-BY-WIRE SYSTEM USING ADI E2B™	Ethernet to Edge Bus
Automotive	ATC27	Automotive Audio Solutions - A2B	Audio Solution for Automotive Infotainment Application
Automotive	ATC45	Next-Gen Processing: SHARC-FX Driving Innovation in AEC, BF and AI Applications	Demonstration of the EHP capabilities for AEC/NR, BF and AI based applications.
Industrial & Consumer	ATC5	Macnica booth: solutions for ADI	Macnica solution booth
Industrial & Consumer	ATC6	Mouser booth: solutions for ADI	Mouser display of products
Industrial & Consumer	ATC18	Smart Door lock	Demonstration of AI chipset feature
Industrial & Consumer	ATC18	Smart Glass Demo	Showing features like ANC, In ear VSM etc. on Smart Glass
Industrial & Consumer	ATC19	ADI Software Enablement	The demo showcases all the software enablement collaterals available for different industrial generics
Industrial & Consumer	ATC28 (Move to Maya)	Audio Scene Classification	Eagle - HP (ADSP-21835)based demo for Audio scene classification - Adding intelligence to TV and Sound bar

Industrial & Consumer	ATC29	CBM (Condition Based Monitoring) Edge Nodes on 10BASE-T1L (Single-pair ethernet):	Illustration of vibration measurement using 10BaseT1L enhanced data transmission and power delivering capability. (is it with Voyager 4)
Industrial & Consumer	ATC30	AD4170-4 in Action: Accelerating Edge Intelligence Through Smart Filtering	The demonstration showcases both visual and quantitative comparisons to illustrate how each filter configuration effectively attenuates interference at 50 Hz $\pm$ 1 Hz and 60 Hz $\pm$ 1 Hz, helping significantly alleviate line noise. With a blend of built-in and post-filtering functionalities, the AD4170-4 emerges as a compelling option for intelligent edge applications. These attributes play a vital role in speeding up development within contemporary sensor ecosystems, allowing designers to develop robust, noise-resistant systems that facilitate real-time decision-making at the edge.
Industrial & Consumer	ATC31	MAX40109 Pressure Sensor Demo	Demo comprises of evaluation board and a mini compressor
Industrial & Consumer	ATC32	Long reach and Multidrop SPE	Demonstrate Ethernet and T1L/S
Industrial & Consumer	ATC33	Ultra low power integrated Converters for Field instruments	This demo showcase ADI's industry-leading Sigma-Delta ADCs, designed for ultra-low power and fully integrated industrial solutions. The AD4130 leverages ADI's best-in-class Sigma-Delta cores, incorporating intelligent edge features like the smart sequencer, FIFO, and duty cycling mode to improve a system's efficiency. The AD4130 temperature ecosystem simplifies the development of advanced temperature measurement systems, enabling rapid design and faster time to market. With tools like the AD4130 Configurator and Error Budget Calculator, Active Functional Model, and Reference Design, the AD4130 ecosystem accelerates development and supports intelligent edge applications

Industrial & Consumer	ATC34	ADIN6310/ADIN3310 TSN capabilities	Time synchronization with TSN Network
Industrial & Consumer	ATC35	TMC9660 based solution	Demonstrate capabilities of TMC with motor drive
Industrial & Consumer	ATC36	T1L + Camera	Video Streaming Demo from Cameras on 10BASE-T1L Line Topology
Industrial & Consumer	ATC37 (Move to Maya)	Network Audio Processor	SC-593 Based demo for Network Audio, Airplay and DAHA 1.9 Demo
Industrial & Consumer	ATC38	Chest Patch	ECG and Activity monitoring
Industrial & Consumer	ATC39	ADI study watch 4.5	Patient monitoring- VSM
Industrial & Consumer	ATC40	AI Enabled Noisy Data Identification	MAX78000 AND MAX86176: The demo shows training testing and deployment of AI model on MAX78000
Industrial & Consumer	ATC40	Smart ANC system	Max78000/ADAU1787/ADAU1452: This demo shows a smart ANC system for effective noise cancellation.
Industrial & Consumer	ATC41	ADA4620 Demo	Precision opamp Hands on signal chain demo without measurement equipments(power supply, scope etc)
Industrial & Consumer	ATC41	ADA451x Demo	Precision opamp Hands on signal chain demo without measurement equipments(power supply, scope etc)
Industrial & Consumer	ATC42	Arrow booth: solutions for ADI	
Industrial & Consumer	ATC43	Portable Multi-device Multi-sensor Modular Precision industrial Demo Platform	Demonstration of Condition Based Monitoring, Weigh Scale, and temperature measurement with single portable pocket-size platform

Industrial & Consumer	ATC43	Intelligent On-chip Automatic Gain Control System Boosts 20-bit SAR ADC Beyond 110dB Input Dynamic Range	The 20-bit 40V input range AD4858 features a unique technology called Seamless High Dynamic Range, which implements an automatic gain control algorithm directly on the chip. This innovative feature allows the ADC to automatically adjust its internal gain in response to changes in the input signal, effectively reducing noise as the signal decreases. The ADC's ability to make these adjustments in less than one sample ensures that there are no linearity artifacts or impacts on sampling speed. This demonstration will showcase the benefits of Seamless High Dynamic technology, highlighting how it can minimize noise and enable the digitization of increasingly smaller signals. As a result, the dynamic range performance of the ADC is pushed beyond 110dB.
Industrial & Consumer	ATC44	Inherent Alias Rejection Demo with CTSD ADCs(Continues Time Sigma Delta ADC)	Aliasing happens when the sampling rate is lower than twice the highest frequency of the input signal, known as the Nyquist rate. When this condition isn't met, higher frequency components of the signal can fold back into the lower frequency range, creating false or "alias" signals. These alias signals can distort the original signal and degrade the performance of the ADC. CTSD ADCs inherently reject these aliases with their patented architecture. This means they can reject the aliasing without having alias rejection filters in the front-end designs. This simplifies the design process and enhances the accuracy and reliability of the ADC in various applications, such as sonar arrays, accelerometers, and vibration analysis

Industrial & Consumer	ATC45	ANC	SAM Hands-free Intercom Demo Setup - Processor Applications & Systems Engineering - ADI Confluence
Power	ATC7	Regulators: Silent Switcher Technology (SS3)	SS technology demonstration
Power	ATC8	Simulation Tools	LTSpice, Power cad, FRA
Power	ATC9	ADI Power Solutions	your Go-to for your Power Solution needs. In this demo we will showcase various solutions on Isolate Power Designs and ADI's Balanced Solutions.
Power	ATC10	Power: High density compact power	LT7171 based solution
Power	ATC10	Power: Protection-ADIs Hotswap technology	Hotswap controller solution
Power	ATC10	Power: ADIs IBC technology	ADPM10365 with MAX20848/MAX20816 + LTP8850-1
Power	ATC13	Power: General purpose Micro modules	LTM3360B/LTP8890-4 and dummy umodules
Power	ATC13	Power: Multiphase controller+PS	MAX20816 (16-Ph Controller) + MAX20781 (Power Stage)