

Advanced Design System



This article contains **weasel words**: vague phrasing that often accompanies **biased or unverifiable** information. Such statements should be [clarified or removed](#). *(January 2018)*

Advanced Design System

<u>Developer(s)</u>	Keysight EEsof EDA
Initial release	1985 (then called Microwave Design System (MDS))
<u>Operating system</u>	Windows, Linux, Solaris [1]
<u>Platform</u>	ADS Platforms
<u>Type</u>	Electronic circuit simulation
<u>License</u>	Proprietary
Website	ADS home page

Advanced Design System (ADS) is an [electronic design automation software](#) system produced by [Keysight EEsof EDA](#),^[1] a division of [Keysight Technologies](#). It provides an integrated design environment to designers of [RF](#) electronic products such as [mobile phones](#),^[2] pagers, [wireless networks](#), [satellite](#) communications, [radar](#) systems, and [high-speed data links](#).^[3]

Keysight ADS supports every step of the design process—[schematic capture](#), [layout](#), [design rule checking](#), [frequency-domain](#) and [time-domain](#) circuit [simulation](#), and [electromagnetic field](#) simulation—allowing the engineer to fully characterize and optimize an RF design without changing tools.

Keysight EDA has donated copies of the ADS software to the [electrical engineering](#) departments at many [universities](#).^[4]

See also

- [Momentum \(electromagnetic simulator\)](#) - 3D Planar EM simulator element of ADS platform
- [FEM Element](#) - Arbitrary 3D geometry EM simulator element of ADS platform

Notes

1.

- [Keysight EEsof EDA home page](#)
- • ["Evaluating Performance Tradeoffs in a Dual-Mode, W-CDMA/EDGE Digital IF Receiver", *CommsDesign*, Oct 07, 2002](#)
- • [Design and Simulation of High Speed Digital](#)

4. • [Keysight EEsof EDA University Educational Support Programs](#)

External links

- [Agilent ADS tutorial and forum](#) EM Talk
- [Agilent EEsof EDA: 10-minute video tutorials and other online demos](#)
- [30-Second Demos of user-inspired innovations in Advanced Design System \(ADS 2014\)](#)
- [Official ADS blog](#)
- [Official blog for ADS in signal integrity applications](#)