

Bringing the digital world into the RF microwave range



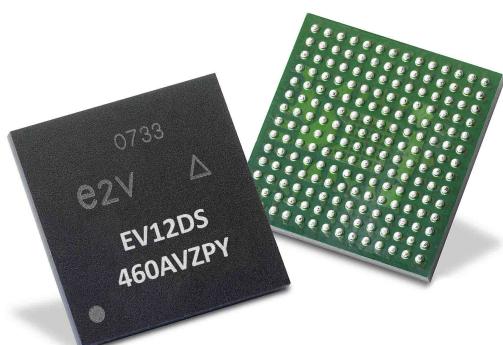
Our ADCs and DACs

Since inventing the world's first microwave capable data converter over 20 years ago, we have continued to innovate and released a string of world first products, including data converters that can digitize directly in the K-band frequency.

Our range of solutions offer:

- + Latency as low as 1 ns
- + Up to 4 channels at microwave frequencies
- + Lowest noise vs. performance at microwave frequencies

The cutting-edge technology packed into e2v's data converters allow our customers to significantly simplify designs with licence free, standard and customized solutions.



ADC highlights:

- + 12 & 10-bit solutions
- + Latency as low as 5 ns
- + Up to 4 channels at microwave frequencies

teledyne-e2v.com/ADC

DAC highlights:

- + Direct signal generation up to 26.5 GHz
- + Full scale step response times as low as 30ps

teledyne-e2v.com/DAC

Our latest solutions

EV12DS460A, 12-bit, 6 GSps

Meet the world's first K-band capable DAC that's proficient at handling the most specific of RF applications.

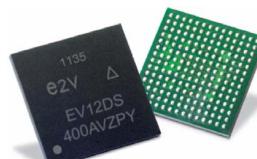


Nyquist	SFDR	ENOB	SNR	Power diss.
NZ1	56 dBc	8.8 bit	52.5 dB	2.6W

For more NZ specs, visit teledyne-e2v.com/DS460

EV12DS400A, 12-bit, 4.5 GSps

The DAC for high levels of spectral purity up to 7GHz and performing direct synthesis in L, C and S-band frequencies.



Nyquist	SFDR	ENOB	SNR	Power diss.
NZ1	66 dBc	8.7 bit	58.5 dB	2.6W

For more NZ specs, visit teledyne-e2v.com/DS400

EV12AD550A, 12-bit ADC, 1.5 GSps

The first ever dual channel, S-band capable, space grade ADC. Designed to optimize cost of ownership and offer space system simplification.

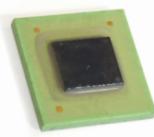


Nyquist	SFDR	ENOB	SNR	Power diss.
NZ1	69 dBfs	9.4 bit	58.5 dBfs	2.3W / channel

For more NZ specs, visit teledyne-e2v.com/AD550

EV12AD500A, 12-bit ADC, 1.5 GSps

The only C-band capable ADC with a chain synchronization feature, two interface options and an optional embedded open protocol system.



Nyquist	SFDR	ENOB	SNR	Power diss.
NZ1	64 dBfs	9.3 bit	59 dBfs	2.3W / channel

For more NZ specs, visit teledyne-e2v.com/AD500

White Paper: DS460

Visit the DS460 resource hub to access our free white paper covering:

- + How ultra-wideband DACs extend direct conversion capabilities
- + An introduction to signal aliasing in microwave systems

teledyne-e2v.com/DS460

White Paper: AD550

Visit the AD550 resource hub to access our free white paper covering:

- + How ultra-wideband ADCs boost economics in agile satcom payloads
- + How electronically steered antennas help mission agility

teledyne-e2v.com/AD550