

## EV12AQ600 – Product Brief Space Grade 6.4 GSps 12-bit Quad ADC

interoperable with XQRKU060

- **Cross-Point Switch**: option to assign ADC inputs to different ADC cores to perform time interleaving or not and have simultaneous sampling instead.
  - Built-in Cross-Point Switch (CPS) enabling 1, 2 or 4 channel mode at 6.4 GSps / 3.2 GSps / 1.6 GSps
  - The only 4-channel space qualified available
- **Designed for space applications**, suitable for most common orbits. Hardened by Design and Layout.
  - QML Class-Y qualification flow
- Input frequency bands covered: L, S, C-bands
  - No frequency converters needed
- Supports large multi-channel systems with 4 channels per ADC.
  - Exclusive Synchronization chaining scheme and SYNC metastability management
  - Eased synchronization resource layout
- ADC reconfigurability to be used in multi-mission systems
  - One device qualified for multiple platforms: time and cost savings
- License-free and hardened serial data interface protocol: ESIstream (reduced FPGA resources)



## Added values:

- Flexibility
- Reconfigurability
- Multi ADC Synchronization
- Multi-channel
- Multi-mission





*Click to Learn about multi-ADC synchronization in only 7 minutes!* 



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