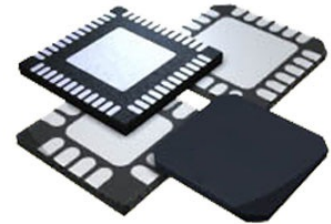


INTERSIL ISLA216P20IRZ Analog to Digital Converter, 16Bit, 200MSPS, Single, 1.7V, 1.9V, QFN

Manufacturers	Renesas Technology Corp
Package/Case	QFN-EP-72
Product Type	Data Conversion ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ISLA216P20IRZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISLA216P is a family of low power, high performance 16-bit analog-to-digital converters. Designed with Intersil's proprietary FentoCharge™ technology on a standard CMOS process, the family supports sampling rates of up to 250MSPS. The ISLA216P is part of a pin-compatible portfolio of 12 to 16-bit A/Ds with maximum sample rates ranging from 130MSPS to 500MSPS. A serial peripheral interface (SPI) port allows for extensive configurability, as well as fine control of various parameters such as gain and offset. Digital output data is presented in selectable LVDS or CMOS formats. The ISLA216P is available in a 72-contact QFN package with an exposed paddle. Operating from a 1.8V supply, performance is specified over the full industrial temperature range (-40°C to +85°C).

Features

Single supply 1.8V operation

Clock duty cycle stabilizer

75fs Clock jitter

700MHz Bandwidth

Programmable built-in test patterns

Multi-ADC support

SPI Programmable fine gain and offset control

Support for multiple ADC synchronization

Optimized output timing

Nap and sleep modes

200 μ s Sleep wake-up time

Data output clock

DDR LVDS-compatible or LVCMOS outputs

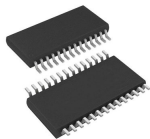
Selectable Clock Divider

Related Products



[ISLA214P50IRZ](#)

Renesas Technology Corp
QFN-72



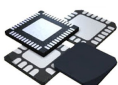
[ISL5857IAZ](#)

Renesas Technology Corp
TSSOP-28



[ISLA224S20IR1Z](#)

Renesas Technology Corp
48pin-QFN



[ISLA224P20IRZ](#)

Renesas Technology Corp
72pin-QFN



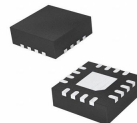
[ISLA112P50IRZ](#)

Renesas Technology Corp
QFN-72



[ISLA224S25IR1Z](#)

Renesas Technology Corp
48pin-QFN



[ISLA224P25IRZ](#)

Renesas Technology Corp
72-VFQFN Exposed



[ISLA224P12IRZ](#)

Renesas Technology Corp
72pin-QFN