

一、ARM7內核的精密資料轉換器系列產品 ADuC702X:

資料轉換器選擇表：

Part#	MCU Core	MCU Speed (MIPS)	Flash (kbytes)	SRAM (bytes)	GPIO Pins	Resolution (Bits)	ADC Speed (KSPS)	ADC # Channels	Other	12 Bit DAC Outputs
<a href="#">ADUC816</a>	8052 (12-clk)	1.3	8	256	34	16	0.105	4	-	1
<a href="#">ADUC824</a>	8052 (12-clk)	1	8	256	34	24	0.105	4	-	1
<a href="#">ADUC7020</a>	ARM7 TDMI	40	62	8192	14	12	1,000	5	-	4
<a href="#">ADUC831</a>	8052 (12-clk)	1.3	62	2304	34	12	247	8	PWM	2
<a href="#">ADUC7022</a>	ARM7 TDMI	40	62	8192	13	12	1,000	10	-	-
<a href="#">ADUC832</a>	8052 (12-clk)	1.3	62	2304	34	12	247	8	PWM	2
<a href="#">ADUC7025</a>	ARM7 TDMI	40	62	8192	30	12	1,000	12	PWM	-
<a href="#">ADUC834</a>	8052 (12-clk)	1	62	2304	34	24	0.105	4	PWM	1
<a href="#">ADUC7027</a>	ARM7 TDMI	40	62	8192	40	12	1,000	16	PWM	-
<a href="#">ADUC836</a>	8052 (12-clk)	1	62	2304	34	16	0.105	4	PWM	1
<a href="#">ADUC812</a>	8052 (12-clk)	1.3	8	256	34	12	200	8	-	2
<a href="#">ADUC841</a>	8052 (1-clk)	20	62	2304	34	12	400	8	PWM	2
<a href="#">ADUC7019</a>	ARM7 TDMI	40	62	8192	14	12	1,000	5	-	3
<a href="#">ADUC842</a>	8052 (1-clk)	16	62	2304	34	12	400	8	PWM	2
<a href="#">ADUC7024</a>	ARM7 TDMI	40	62	8192	30	12	1,000	10	PWM	2
<a href="#">ADUC7128</a>	ARM7 TDMI	40	126	8192	28	12	1,000	10	10 Bit DAC, PWM	-
<a href="#">ADUC814</a>	8052 (12-clk)	1.3	8	256	17	12	247	6	-	2
<a href="#">ADUC7021</a>	ARM7 TDMI	40	62	8192	13	12	1,000	8	-	2
<a href="#">ADUC7026</a>	ARM7 TDMI	40	62	8192	40	12	1,000	12	PWM	4
<a href="#">ADUC843</a>	8052 (1-clk)	16	62	2304	34	12	400	8	PWM	-
<a href="#">ADUC845</a>	8052 (1-clk)	12	62	2304	34	24	1.37	10	PWM	1
<a href="#">ADUC847</a>	8052 (1-clk)	12	62	2304	34	24	1.37	10	PWM	1
<a href="#">ADUC848</a>	8052 (1-clk)	12	62	2304	34	16	1.37	10	PWM	1

### 三、ADI公司發布業界首款用於電容精確測量的單晶片解決方案

電容數位轉換器選擇表：

Part #	Res (Bits)	T-Put Rate	# of Capac-ittance Inputs	Supply V	Pwr Diss (max)	Interface	Input Base Capac-ittance (max)	Input Capac-ittance Range	Pkg Type	Product Description
<a href="#">AD7745</a>	24	90SPS	1	Single(+3), Single(+3.3), Single(+5)	4.5mW	I <sup>2</sup> C	17pF	±4pF	16-lead TSSOP	<a href="#">24-bit Capacitance-to-Digital Converter with 1 differential or single-ended capacitance input channel for interfacing to a dual-electrode capacitive sensor</a>
<a href="#">AD7746</a>	24	90SPS	2	Single(+3), Single(+3.3), Single(+5)	4.5mW	I <sup>2</sup> C	17pF	±4pF	16-lead TSSOP	<a href="#">24-bit Capacitance-to-Digital Converter with 2 differential or single-ended capacitance input channels for interfacing to a dual-electrode capacitive sensor</a>
<a href="#">AD7747</a>	24	90SPS	1	Single(+3), Single(+3.3), Single(+5)	4.5mW	I <sup>2</sup> C	17pF	±4pF	16-lead TSSOP	<a href="#">24-bit Capacitance-to-Digital Converter with 1 differential or single-ended capacitance input channel for interfacing to a single-electrode capacitive sensor</a>
<a href="#">AD7142</a>	16	30SPS	14	Single(+3) Single(+3.3)	TBD	SPI	±20pF	±2pF	32-lead LFCSP	<a href="#">16-bit Programmable Capacitance-to-Digital Converter with environmental compensation and SPI interface</a>
<a href="#">AD7142-1</a>	16	30SPS	14	Single(+3) Single(+3.3)	TBD	I <sup>2</sup> C	±20pF	±2pF	32-lead LFCSP	<a href="#">16-bit Programmable Capacitance-to-Digital Converter with environmental compensation and I<sup>2</sup>C interface</a>