

Support Ethernet Interface and Multiple Transmissions

On-board FIFO, Auto-switching Range, Continuous Sampling, without Analog Output



USB2852

- 250KS/s 16-bit 32-ch AD, with DIO
- ※ 16-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 250KS/s (default), (or 500KS/s)
- ※ FIFO Size: 8K word
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ Triggering: digital
- ※ 16-channel DI/DO
- ※ 10M/100M Adaptive Network Card



USB2830

- 250KS/s 12-bit 32-ch AD, with DIO
- ※ 12-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 250KS/s
- ※ FIFO Size: 16K word
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5, 0\sim 10V$
- ※ Triggering: digital
- ※ 16-channel DI/DO



USB2851

- 250KS/s 16-bit 16-ch AD, with DA and DIO
- ※ 16-bit A/D, 16SE/8DI analog input
- ※ Sample Rate: 250KS/s (default), (or 500KS/s)
- ※ FIFO Size: 8K word
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ Triggering: analog and digital
- ※ 12-bit D/A, 4-channel analog output
- ※ Output Range: $\pm 10V, \pm 5V, 0\sim 10V, 0\sim 5V$
- ※ 8-channel DI/DO
- ※ 10M/100M Adaptive Network Card



USB2808

- 250KS/s 16-bit 32-ch AD
- ※ 16-bit A/D, 32SE/16DI opto-isolation analog input
- ※ Sample Rate: 250KS/s
- ※ FIFO Size: 8K word
- ※ Input Range: $0\sim 10V, 0\sim 5V, \pm 10V, \pm 5V, \pm 2.5V$
- ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
- ※ Triggering: digital



USB2850

- 500KS/s 16-bit 64-ch AD, with DA and DIO
- ※ 16-bit A/D, 64SE/32DI analog input
- ※ Sample Rate: 500KS/s
- ※ FIFO Size: 8K word
- ※ Input Range: $0\sim 10V, 0\sim 5V, \pm 10V, \pm 5V, \pm 2.5V$
- ※ Triggering: analog and digital
- ※ 12-bit D/A, 8-channel analog output
- ※ Output Range: $0\sim 10V, 0\sim 5V, \pm 10V, \pm 5V$
- ※ 16-channel DI/DO
- ※ 10M/100M Adaptive Network Card



USB2086

- 500KS/s 16-bit 32-ch AD, with DIO
- ※ 16-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 500KS/s
- ※ 96K word FIFO, on-board DSP
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
- ※ Triggering: digital
- ※ 8-channel DI/DO



NET2860

- 250KS/s 16-bit 16-ch AD
- ※ 16-bit A/D, 16SE/8DI analog input
- ※ Sample Rate: 250KS/s
- ※ Flash Memory: 256M in total, 8M for the fixed-length sampling
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ Fixed-length Sample: 10K, 15K, 20K, 25K, 30K
- ※ Wireless Remote: 50m control distance
- ※ Independent data collection



USB2085

- 250KS/s 16-bit 32-ch AD, with DIO
- ※ 16-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 250KS/s
- ※ 96K word FIFO, on-board DSP
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
- ※ Triggering: digital
- ※ 8-channel DI/DO



NET2801

- 250KS/s 16-bit 32-ch AD, with DIO
- ※ 16-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 250KS/s
- ※ FIFO Size: 8K word
- ※ Input Range: $\pm 10V, \pm 5V, \pm 2.5V, 0\sim 10V, 0\sim 5V$
- ※ 16-channel DI/DO
- ※ Independent data collection



USB2080/A

- 400KS/s 14-bit 32-ch AD, with DIO
- ※ 14-bit A/D, 32SE/16DI analog input
- ※ Sample Rate: 400KS/s
- ※ 96K word FIFO, on-board DSP
- ※ Input Range: $\pm 10V, \pm 5V$ (A: $0\sim 5V, 0\sim 2.5V$)
- ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
- ※ Triggering: digital
- ※ 8-channel DI/DO

On-board FIFO, Auto-switching Range, Continuous Acquisition, With Analog Output and DIO Functions

USB2831



- 250KS/s 16-bit 16-ch AD, with DA and DIO
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 16K word
 - ※ Input Range: $\pm 10V$, $\pm 5V$, ± 2.5 , $0\sim 10V$
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10.8V$, $\pm 10V$, $\pm 5V$, $0\sim 10.8V$, $0\sim 10V$, $0\sim 5V$
 - ※ 16-channel DI/DO

USB2817



- 250KS/s 16-bit 16-ch AD, with DA, DIO and Counter/Timer
- ※ 16-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: $\pm 10V$, $\pm 5V$, ± 2.5 , $0\sim 10V$, $0\sim 5V$
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10.8V$, $\pm 10V$, $\pm 5V$, $0\sim 10.8V$, $0\sim 10V$, $0\sim 5V$
 - ※ 16-channel DI/DO
 - ※ 32-bit 3-channel timer/counter

USB2815



- 250KS/s 16-bit 16-ch AD, with DA, DIO and Counter/Timer
- ※ 16-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: $\pm 10V$, $\pm 5V$, ± 2.5 , $0\sim 10V$, $0\sim 5V$
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10V$, $\pm 5V$, $0\sim 10V$, $0\sim 5V$
 - ※ 8-channel DI/DO
 - ※ 16-bit 3-channel timer/counter

USB2812



- 250KS/s 12-bit 16-ch AD, with DA, DIO and Counter/Timer
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: $\pm 10V$, $\pm 5V$, ± 2.5 , $0\sim 10V$
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ Triggering: analog
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10V$, $\pm 5V$, $0\sim 10V$, $0\sim 5V$
 - ※ 16-channel DI/DO
 - ※ 32-bit 3-channel timer/counter

USB2811



- 250KS/s 16-bit 64-ch AD, with DA, DIO and Counter/Timer
- ※ 16-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: $\pm 10V$, $\pm 5V$, ± 2.5 , $0\sim 10V$, $0\sim 5V$
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ Triggering: analog, digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10V$, $\pm 5V$, $0\sim 10V$, $0\sim 5V$
 - ※ 16-channel DI/DO
 - ※ 32-bit 3-channel timer/counter

USB2805



- 250KS/s 16-bit 64-ch AD, with DA and DIO
- ※ 16-bit A/D, 64SE/32DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: $0\sim 10V$, $0\sim 5V$, $\pm 10V$, $\pm 5V$, $\pm 2.5V$
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 8-channel analog output
 - ※ Output Range: $0\sim 10V$, $0\sim 5V$, $\pm 10V$, $\pm 5V$
 - ※ 16-channel DI/DO

USB2089/A



- 400KS/s 14-bit 16-ch AD, with DA and DIO
- ※ 14-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 400KS/s
 - ※ 96K FIFO, with on-board DSP
 - ※ Input Range: $\pm 10V$, $\pm 5V$ (A: $0\sim 5V$, $0\sim 2.5V$)
 - ※ Triggering: analog
 - ※ 12-bit D/A, 8-channel analog output
 - ※ Output Range: $0\sim 10V$, $0\sim 5V$, $\pm 10V$, $\pm 5V$
 - ※ 8-channel DI/DO

USB2088/A



- 400KS/s 14-bit 4-ch AD, with DA and DIO
- ※ 14-bit A/D, 4-channel simultaneous analog input
 - ※ Sample Rate: 400KS/s/ch
 - ※ 96K FIFO, with on-board DSP
 - Input Range: USB2088: $\pm 10V$, $\pm 5V$, $\pm 2V$, $\pm 1V$
USB2088A: $0\sim 10V$, $0\sim 5V$, $0\sim 2.5V$, $0\sim 1V$, $0\sim 0.5V$
 - ※ Triggering: analog
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $0\sim 10V$, $0\sim 5V$, $\pm 10V$, $\pm 5V$
 - ※ 8-channel DI/DO

Multi-function Analog Input/Output Cards, without Buffer

USB2833



- 12-bit 16-ch AD, with DA, DIO and Counter/Timer
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ AD chip Conversion Frequency: 500KS/s (max)
 - ※ Input Range: $\pm 10V$, $\pm 5V$, $\pm 2.5V$, $0\sim 10V$
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: $\pm 10.8V$, $\pm 10V$, $\pm 5V$, $0\sim 10.8V$, $0\sim 10V$, $0\sim 5V$
 - ※ 8-channel DI/DO
 - ※ 16-bit 3-channel timer/counter

USB2832



- 12-bit 32-ch AD, with DIO and Counter/Timer
- ※ 12-bit A/D, 32SE/16DI analog input
 - ※ AD chip Conversion Frequency: 500KS/s (max)
 - ※ Input Range: $0\sim 10V$, $\pm 10V$, $\pm 5V$, $\pm 2.5V$
 - ※ 8-channel DI/DO
 - ※ 16-bit 3-channel timer/counter



USB2816

- 250KS/s 16-bit 16-ch AD, with DA, DIO and Counter/Timer
- ※ 16-bit A/D, 16SE/8DI analog input
 - ※ AD chip Conversion Frequency: 250KS/s (max)
 - ※ Input Range: 0~10V, 0~5V, ±10V, ±5V, ±2.5V
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: 0~10V, 0~5V, ±10V, ± 5V
 - ※ 8-channel DI/DO
 - ※ 16-bit 3-ch timer/counter



USB2814

- 250KS/s 16-bit 32-ch AD, with DA, DIO and Counter/Timer
- ※ 16-bit A/D, 32SE/16DI analog input
 - ※ AD chip Conversion Frequency: 250KS/s (max)
 - ※ Input Range: 0~10V, 0~5V, ±10V, ±5V, ±2.5V
 - ※ Triggering: digital
 - ※ 16-bit D/A, 1-channel analog output
 - ※ Output Range: 0~10V, 0~5V, ±10V, ± 5V
 - ※ 8-channel DI/DO
 - ※ 16-bit 3-channel timer/counter

USB Terminal Design Series Cards



USB5953

- 250KS/s 16-bit 14-ch AD, 12-bit 4-ch DA, 6-ch DIO
- ※ 16-bit A/D, 14SE/6DI analog input
 - ※ Sample Rate: 250KS/s (default) (or 500KS/s)
 - ※ FIFO Size: 8K word
 - ※ Input Range: ±10V, ±5V, ±2.5, 0~10V, 0~5V
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: ±10V, ±5V, 0~10V, 0~5V
 - ※ 6-channel DI/DO
 - ※ 32-bit 1-channel timer/counter



USB5936

- 250KS/s 12-bit 16-ch AD, with DIO and Counter/Timer
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 16K word
 - ※ Input Range: 0~10V, ±10V, ±5V, ±2.5V
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ 6-channel DI/DO
 - ※ 24-bit 1-channel timer/ counter



USB5834

- 250KS/s 12-bit 30-ch AD, with DIO and Counter/Timer
- ※ 12-bit A/D, 30SE/15DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 8K word
 - ※ Input Range: 0~10V, ±10V, ±5V
 - ※ Triggering: analog and digital
 - ※ 8-channel DI/DO
 - ※ 32-bit 3-channel counter



USB5831

- 250KS/s 12-bit 16-ch AD, with DA and DIO
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ Sample Rate: 250KS/s
 - ※ FIFO Size: 16K word
 - ※ Input Range: ±10V, ±5V, ±2.5, 0~10V
 - ※ Triggering: analog and digital
 - ※ 12-bit D/A, 4-channel analog output
 - ※ Output Range: ±10.8V, ±10V, ±5V, 0~10.8V, 0~10V, 0~5V
 - ※ 13-channel DI/DO



USB5935

- 500KS/s, 12-bit 16-ch AD, 6-ch DI/DO
- ※ 12-bit A/D, 16SE/8DI analog input
 - ※ AD chip Conversion Frequency: 500KS/s
 - ※ Input Range: 0~10V, ±10V, ±5V, ±2.5V
 - ※ Programmable Gain: 1, 2, 4, 8 (default) or 1, 2, 5, 10 or 1, 10, 100, 1000 times
 - ※ 6-channel DI/DO
 - ※ 24-bit 1-channel timer/counter



USB5932

- 12-bit 8-ch DA, 6-ch DI/DO
- ※ 12-bit D/A, 8-channel analog output
 - ※ Update Rate: 100KS/s
 - ※ Output Range: ±10.8V, ±10V, ±5V, 0~10.8V, 0~10V, 0~5V
 - ※ 6-channel DI/DO
 - ※ 32-bit 1-channel timer/counter



USB5841

- 48-ch Digital Input/Output, with Counter/Timer
- ※ 48-channel DIO (every 8-channel can be configured to DI or DO)
 - ※ Electric Standard: TTL compatible
 - ※ With interruption function
 - ※ 32-bit 3-channel timer/counter



USB5801

- 24-ch Digital Input/Output, with Counter/Timer
- ※ 24-channel DIO (every 8-channel can be configured to DI or DO)
 - ※ Electric Standard: TTL compatible
 - ※ With interruption function
 - ※ 32-bit 3-channel timer/counter



USB5538

- 16-ch Isolated Digital Input, 16-ch Open-collector Output
- ※ 16-channel isolated digital input
 - ※ Input Type: dry contact, wet contact
 - ※ Input High Level: +5V ~ +30V
 - ※ Input Low Level: 0 ~ +1V
 - ※ Isolation Voltage: 3750Vrms (min)
 - ※ 16-channel isolated digital output
 - ※ Output Type: open-collector output
 - ※ Maximum Load: 30V, 100mA
 - ※ Isolation Voltage: 3750Vrms (min)



USB5529

- 8-ch Isolated Digital Input, 8-ch Relay Output
- ※ 8-channel isolated digital input
 - ※ Input Type: dry contact, wet contact
 - ※ Input high: +5V ~ +30V
 - ※ Input Low: 0 ~ +1V
 - ※ Isolation Voltage: 3750V
 - ※ IN0 channel can be used as a counter
 - ※ With interruption function
 - ※ 8-channel relay output
 - ※ Output Type: solid state relay output
 - ※ Contact Rating: 100~240VAC@1A
 - ※ Isolation Voltage: 3750Vrms (min)