USB ANALOG I/O AND TEMPERATURE

USB ANALOG I/O 12- Bit Devices

Product	Analog Input # Channels Single – Ended	Differential	Sample Rate (kS/s) Max Single Channel	Max Boa rd	Input Range	Gain	Analog Output # Channels	Resolution (bits)	Counter/Timers # Counters	Depth (bits)	Digital I/O Digital INPUT Bits	Digital OUTPUT Bits	DIO Bits (bi-directional)
MiniLab 1008	8	4	1.2	8	Diff Mode:± 20V, ±10V,±5V,±4V,±2.5V,±1.25V,±1V	1,2,4,5, 8,10,16, 20	2	10	1	32	0	0	28
U-1208LS	8	4	1.2	8	Diff Mode:± 20V, ±10V,±5V,±4V,±2.5V,±1.25V,±1V	1,2,4,5, 8,10,16, 20	2	10	1	32	0	0	16
U-1208FLS	8	4	50	50	Diff Mode:± 20V, ±10V,±5V,±4V,±2.5V,±1.25V,±1V	1,2,4,5, 8,10,16, 20	2	12	1	32	0	0	16

USB ANALOG I/O 16- Bit Devices

Product	Analog Input # Channels Single – Ended	Differential	Sample Rate (kS/s) Max Single Channel	Max Board	Input Range	Gain	Analog Output # Channels	Resolution (bits)	Counter/Timers # Counters	Depth (bits)	Digital I/O Bits
U-1608FS	8	0	50	100	±10V,±5V,±2V,±1V	1,2,5,10	0	-	1	32	8
U-1616FS	16	0	50	100	±10V,±5V,±2V,±1V	1,2,5,10	0	-	1	32	8

All USB Digital I/O, Standard Output Devices

Product	# Counters	Depth Of Counters (bits)	Standard Current (<15 mA)DIO Bits (bi-directional)	Notes
U-1024LS	1	32	24	Miniature plastic case
U-DIO24/37	1	32	24	Same functions as USB-1024LS, but with 37-pin D-sub connector instead of screw terminals. No case

All USB Digital I/O, High Output Devices

Product	# Counters	Depth Of Counters (bits)	High Current (>15 mA)Digital Output or Standard Current Input Bits	Notes
U-1024HLS	1	32	24	Miniature plastic case
U-DIO96H	1	32	96	1 U aluminum case
U-DIO96H/50	1	32	96	Same as USB-DIO96H, but with 50-pin connector instead of screw terminals

All USB Digital I/O, High Voltage Devices				
Product	# Relay Outputs	# High Voltage Inputs	# Solid – State IO Module Channels	Notes
U-SSR08	0	0	8	Uses standard SSRs. Relays sold separately
U-SSR24	0	0	24	Uses standard SSRs. Relays sold separately
U-ERB08	8	0	0	8 electromechanical (Form C, SPDT) relays. Contact rating: 6A @ 240VAC/28VDC resistive
U-PDISO8	8	8	0	8 electromechanical (Form C, SPDT) relays. Contact rating 6A@240VAC/28VDC resistive, 8 isolated, high voltage (24V AC or DC) inputs
U-PDISO8/40	8	8	0	Same as USB-PDISO8, but with 40-pin header instead of screw terminals
U-ERB24	24	0	0	24 electromechanical (form C, SPDT) relays. Contact rating: 6A @ 240VAC/28VDC resistive