

OP4510 V2 I/O Specifications

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The OP4510 V2 can hold any combination of four of the following Type B mezzanines. The standard OP4510 V2-1 contains one of each.

32 Digital In (OP5353)

Number of channels	32 digital inputs
Isolation	Optical isolator
Connection mode	Anode and cathode available on connector
Input current	3.6 mA, current limiting diode
Reverse voltage protection	Schottky diode
Maximum reverse voltage protection	30 Volts
Detection threshold	Separate Schmitt Trigger
Voltage range	4 to 50 Vdc

32 Digital Out (OP5360-2)

Number of channels	32 digital outputs 2 banks of 16, fully isolated and independent of each other
Isolation	Galvanic isolator
Output Protection	50 mA resettable fuse
Protection thresholds	Over voltage: 30.1V Reverse voltage: maximum of 30 V.
Output Voltage range	5 to 30 Vdc max
Output configuration	Push-pull, tri-state output

16 Analog In (OP5340)

Number of channels:	16 differential
Resolution:	16 bits
Input range (V)	±20v

16 Analog Out (OP5330)

Number of channels:	16 single-ended
Resolution:	16 bits

Default range:	± 16 Volts
Maximum current:	15 mA

RS422 Digital In

Number of channels	6 differential inputs
Detection threshold	± 0.5 V
Input current	± 3 mA
Delay Low-to-High	65 ns

RS422 Digital Out

Number of channels	6 differential outputs
High level (With load) Low level (With load)	2.5 V min @ -20 mA 0.5 V max @ 20 mA
Delay Low-to-High	55 ns