

OP7000 Required and Optional Boards

The front section contains the carrier boards and conditioning modules with connectors for monitoring and the rear section contains conditioning boards for connections from the unit under test.

*The OP7161 and OP7461 boards are the core of the OP7000 and are not optional. Consult your sales representative for the complete list of available signal conditioning boards.



Boards used in the back of the unit must correspond to the type of boards used in the front.

Example: if an Analog Outboard is used in front slot #1, then a matching Analog outboard must be used in the rear slot #1.

OP7000 Board Type Pairings

FRONT BOARDS	DESCRIPTION	REAR BOARDS	DESCRIPTION
ANALOG I/Os			
OP7220	Universal Carrier with OP5330 or OP5340 mezzanine card. Required for use of back analog IO cards	OP7811	OP7000_Rear_Interface_DB37 (Passthrough)
		OP7818 - 2	OP7000 Rear Analog Input conditioning for OP5340, Voltage or Current mode, 16ch DB37 connectors
		OP7819 - 2	OP7000 Rear Analog Output conditioning for OP5330, Voltage or Current mode, 16ch DB37 connectors
		OP78E0	OP7000_6U_AIO_Carrier_DB37 for Type E Modules (Max of 4 modules per carrier)
DIGITAL I/Os			
OP7353	Front Monitoring Interface	OP7816 - 2	OP7000 Rear Opto-Isolated Digital Input: 16-Din DB37 connector
OP7161-2	Secondary V6 (240T) (slots 9, 11, 13 only). For distributed FPGA simulations In most cases, the corresponding back IO card is driven by the Primary FPGA	OP7817 - 2	OP7000 Rear Opto-Isolated 16-Dout, Push-Pull 5V to 30V, DB37 connector
		OP7820	OP7000 Rear 8TX and 8RX DC to 50 MBd Fiber Optic link, 650nm
		OP7821	OP7000_Rear_16Dout_SSR_250V_200mA (Normally Open Relay)
		OP7822	OP7000_Back_6TX_6RX_Fiber_Optic_link_820nm
		OP7823	OP7000 Rear 16RX DC to 50 MBd Fiber Optic link, 650nm
		OP7824	OP7000 Rear_16TX_DC_to_50_MBd_Fiber_Optic_link_650nm
OP716X-1 Primary V6 (130T or 240T)		OP7832	OP7000 Rear Synchronization card (Between OP7000, OP5600, Wanda, ...)
		OP7461	Communication Interface PCIe 4X (match with 126-0347)

NOTE: For the OP7361, please see [User Manuals of Former Products](#)