OP7000V2 Specifications

Product name	**OP7000V2 Simulator**
FPGA	Xilinx Kintex-7 410T on one Primary board (OP7170-1, required) and up to eight Secondary boards (OP7170-2, optional)
Communication interfaces	One PCIe x4 interface Four SFP sockets for 1-5 Gbps Aurora-based communication
MUlti-System Expansion (MuSE) link support	OP7000V2: Central mode supporting up to 4 remote units (default) OP700V2-IO-REMOTE: Remote mode
I/O connectors	DB37 or optical transceivers, depending on the I/O cards installed. See the specifications for each board in section OP7000 IO Modules
Monitoring connectors	RJ45 on front modules RJ45 and BNC on OP7000 front panel
Programming connector	JTAG micro-AB USB2
On-board memory	Two 4Gb DDR3 SDRAM
Power supply	Universal input and active power factor correction 650W continuous power DC to DC converters for analog voltage
Dimensions (HxWxD)	26.67 x 48.26 x 41.5 cm (10.5” x 19” x 16.5“)
Weight	9 to 14 Kg, depending on the I/O and FPGA cards installed
Operating temperature	10 to 40 ºC (50 to 104ºF)
Storage temperature	-55 to 85ºC (-67 to 185ºF)
Relative humidity	10 to 90% non-condensing
Maximum altitude	2000 m (6562 ft.)

Special Notes

Software compatibility

- The OP7000V2 can only be used with RT-LAB or HYPERSIM versions 2019.2 or above.
- The OP7170 bitstream must be produced with RT-XSG 3.2.6 or above.