

# OSS Gen5 4U Pro GPU Accelerator System

4U rackmount expansion with up to sixteen PCIe 5.0 slots (Part number: OSS-PCIe5-4UP)

## Features

- PCIe Gen 5 architecture
- Semi-rugged frame design
- OSS developed U-BMC
- Dynamic fan speed control
- Configurable slot and host uplinks to optimize throughput
- Integrated IPMI based system monitoring

## System

<b>Enclosure</b>	<b>Dimensions:</b> 4U, 17.2" W x 7" D x 18.5" H (43.68cm x 17.78cm x 46.99cm) <b>Weight:</b> 38 lbs net weight (17.23kg)
<b>Host options</b>	1x PCIe x4 x16 Host-to-Target uplink (64GB/s) 2x PCIe x4 x16 Host-to-Target uplinks (128GB/s) 4x PCIe x4 x16 Host-to-Target uplinks (256 GB/s) SmartNIC Host
<b>Backplane options</b>	<b>Single OSS-580:</b> • 1x single-width PCIe 5.0 x 16 FHFL upstream slot • 4x dual-width PCIe 5.0 x16 FHFL downstream slots <b>Dual OSS-580:</b> • 2x single-width PCIe 5.0 x 16 FHFL upstream slots • 8x dual-width PCIe 5.0 x16 FHFL downstream slots <b>Single OSS-581:</b> • 1x single-width PCIe 5.0 x 16 FHFL upstream slot • 6x single-width PCIe 5.0 x16 FHFL downstream slots • 1x dual-width PCIe 5.0 x16 FHFL downstream slot <b>Dual OSS-581:</b> • 2x single-width PCIe 5.0 x 16 FHFL upstream slot • 12x single-width PCIe 5.0 x16 FHFL downstream slots (6x per upstream) • 2x dual-width PCIe 5.0 x16 FHFL downstream slot (1x per upstream)
<b>Additional slot options</b>	<b>Standard:</b> • Modifies one dual-width PCIe 5.0 x16 FHFL downstream slot to two single-width PCIe 5.0 x16 FHFL downstream slots per backplane <b>Riser:</b> • Adds an additional single-width PCIe 5.0 FHFL downstream slot per backplane <b>Linked:</b> • Links two backplanes together so all slots are downstream to a single upstream
<b>Cooling</b>	<b>Operational temperature:</b> 0~35°C <b>Operational humidity:</b> 10-90% relative humidity <b>Operational altitude:</b> 0-10,000 feet above sea level <b>Storage temperature:</b> -40°C~71°C <b>Fans:</b> 3x 180CFM 120mm fans Default PWM controlled based on built-in temperature sensors
<b>Power options</b>	Single/Dual AC 2600W Single/Dual AC 1600W Single/Dual DC 1600W
<b>System monitoring</b>	<b>Default:</b> automatic dynamic temperature based fan speed control <b>Optional:</b> IPMI system monitoring with power, temperature, and fan speed control and monitoring
<b>Fan filters</b>	Optional Quadrafoam 45 PPI Replaceable Fan Filters
<b>PCIe 5.0 cable lengths</b>	1m // 2m // 3m
<b>Power cords</b>	6' US 110V C19 6' US 240V C19 6' US 240V C14 6' UK 2' IEC
<b>Agency compliance</b>	Agency certifications (testing pending): FCC Class A, CE Safety & Emissions, UL, cUL, RoHS3

Front



Rear

