

DVS 4U EXEC-X-P400 Pro



Overview

Our EXEC series spans a wide variety of specifications designed to cover many different roles in an AV installation. These include administration and management systems, control systems, web servers, databases and content management servers.

The 4U EXEC-X-P400 Pro is a high-end dual CPU server designed for demanding web interfaces, control applications and content management. The high core count allows for a large number of concurrent tasks or multi-threaded workloads, such as content encoding, distribution requests and multiuser access. The large number of PCIe lanes also offers great expandability including high-speed storage and 10 gigabit networking to allow for fast data access.

Specifications

- DVS 4U Rackmount Chassis - 543.7 x 430.0 x 176.0 (mm) (D x W x H)
- 1000 Watt PSU – 100 – 240V~, 13 - 6.5A, 47 – 63Hz
- EEB Motherboard (Intel C621 Chipset)
- Two Intel Xeon Processors (12, 16, 20, 24, 28, 32, 36, 40 or 48 total cores)
- 96 / 192 / 384 / 768GB DDR4 Hex Channel ECC Memory (Six Channels Per Processor)
- nVidia Quadro P400 Graphics Card (Up to 3 concurrent displays)
- Single NVMe M.2 Storage
- Additional 4 x NVMe Storage via PCIe Card (VROC - Supports RAID 0, 1 and 5)
- 2 x Gigabit Network Ports
- Operating System - Windows Enterprise IoT LTSC 2019 or Windows 10 Pro
 - * We can also offer to install Windows Server or Linux Server (Ubuntu, CentOS etc) upon request.

Variants

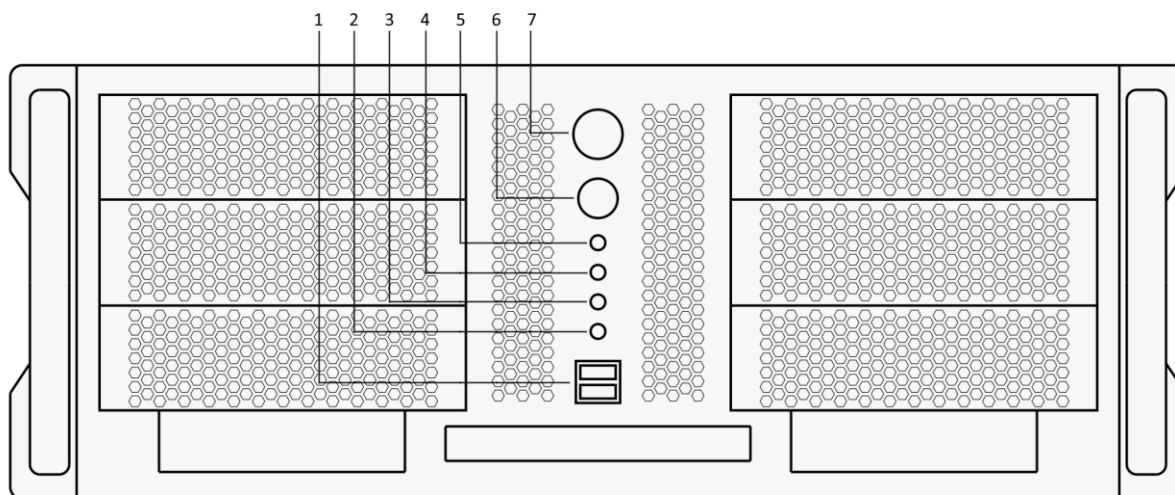
Model Number	NVMe RAID (Up to 4 x M.2 SSD's)	HDD RAID (Up to 4 x 3.5" Drives)	10Gb Network
4U EXEC-X-P400 Pro			
4U EXEC-XRE-P400 Pro	Yes		
4U EXEC-XRH-P400 Pro		Yes	
4U EXEC-X10G-P400 Pro			Yes
4U EXEC-XRE10G-P400 Pro	Yes		Yes
4U EXEC-XRH10G-P400 Pro		Yes	Yes

Graphics Card

Chipset	Quadro P400
Microarchitecture	Pascal
Memory	2GB GDDR5
Memory Bus	64 Bit
Interface	PCIe 3.0 (x16)
Microsoft DirectX Support	12 API
HDCP Ready	Yes
Maximum Concurrent Displays	3 Displays
Maximum Digital Resolution	5120x2880 @ 60Hz
Outputs	3 x Mini DisplayPort 1.4
EDID Emulation	Yes
Sync Module Supported	No

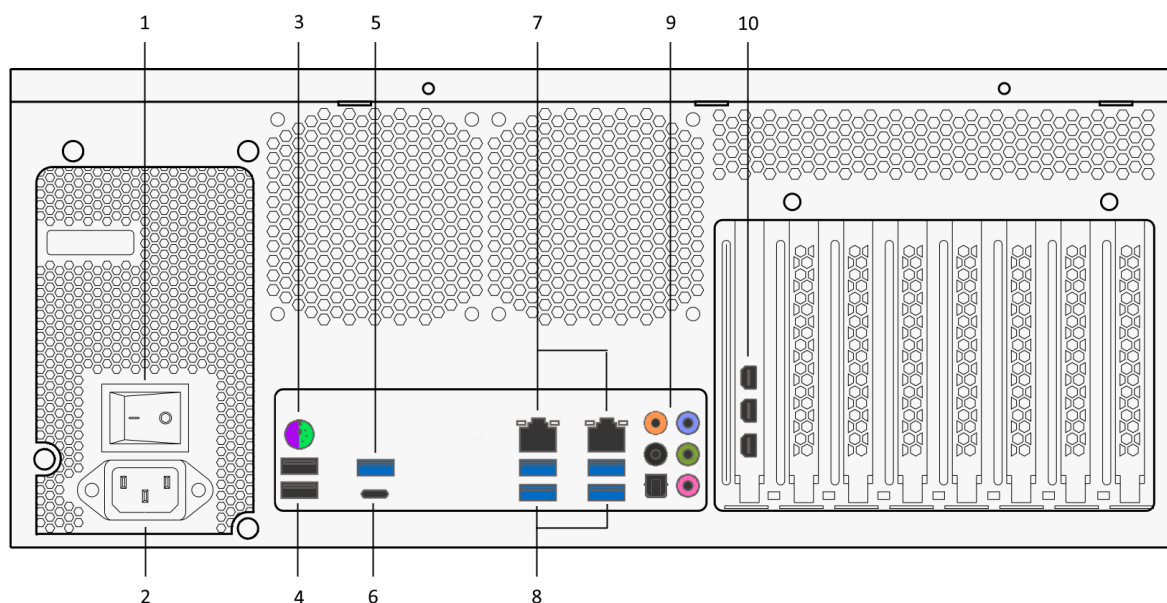
Connectors

Front Panel

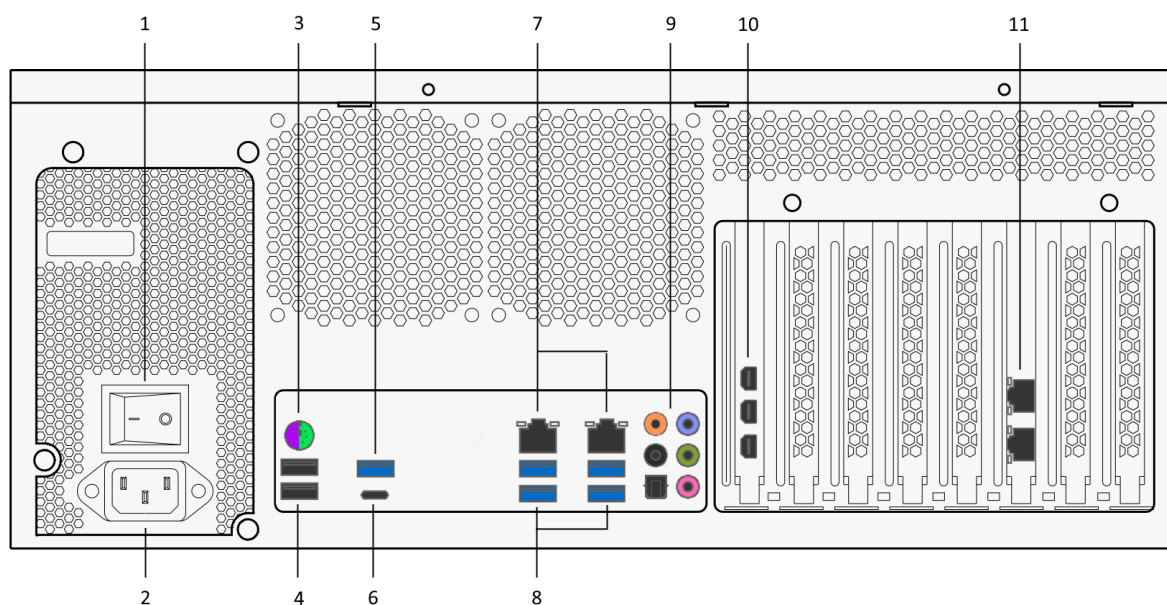


1. **USB 2.0 Ports**
2. **LAN2 Activity LED**
3. **LAN1 Activity LED**
4. **HDD Activity LED**
5. **Power LED**
6. **Reset Button**
7. **Power Button**

Rear Panel

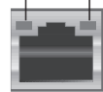


Variant With 10 Gigabit Network



1. **Power Supply Power Switch**
2. **Power IEC.** Mains Power Input: 100 – 240V~, 13 – 6.5A, 47 – 63Hz
3. **PS/2 Mouse / Keyboard Port**
4. **USB 2.0 Ports**
5. **USB 3.1 Gen2 Type-A Port**
6. **USB 3.1 Gen2 Type-C Port**
7. **LAN RJ-45 Ports.** Gigabit Ethernet

LAN port LED Indications

Activity / Link LED		Speed LED		Activity Link LED Speed LED  LAN port
Status	Description	Status	Description	
Off	No link	OFF	10Mbps connection	
On	Linked	ORANGE	100Mbps connection	
Blinking	Data activity	GREEN	1Gbps connection	

8. **USB 3.1 Gen1 Type-A Ports.**

9. **Audio Ports.**

Audio Ports Channel Configuration				
Port	Headset / 2 Channels	4 Channel	5.1 Channel	7.1 Channel
Light Blue	Line In	Line In	Line In	Side Speaker Out
Lime	Line Out	Front Speaker Out	Front Speaker Out	Front Speaker Out
Pink	Mic In	Mic In	Mic In	Mic In
Orange	-	-	Centre / Sub Woofer	Centre / Sub Woofer
Black	-	Rear Speaker Out	Rear Speaker Out	Rear Speaker Out

10. **Mini DisplayPort 1.4 (x 3)**

11. **RJ45 Network Ports.** 10 Gb Ethernet (10G Variant Only)

Internal Expansion

- 1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (both SATA & PCIE x4 Gen3 mode)
- 4 x 3.5" Drive bays (SATA), Supports RAID 0, 1, 10 and 5

Chassis Specification

The DVS 4U EXEC-X-P400 Pro is a four-rack unit high chassis, designed to fit in standard 19" rack cabinets. Optional rack rails are available for the system.

Colour	Silver, Black Front
Dimension (D x W x H)	543.7 x 430.0 x 176.0 (mm) 21.41" x 16.93" x 6.93"
Drive Bay	Exposed: <ul style="list-style-type: none"> • 3 x 5.25" • 1 x 3.5" • 1 x Slim ODD Internal: <ul style="list-style-type: none"> • 4 x 3.5"

Ventilation

The 4U EXEC-X-P400 Pro is a rack mountable server, all cool air intake is from the front of the chassis and all hot air is actively expelled from the rear of the chassis. The chassis is designed to be in a climate-controlled server room environment.

