



PART NUMBER: VPX-CPU-3UXEON

- Intel® Xeon® E3v5 and E3v6 processor family
- Intel® CM236/ CM238 PCH
- Multiple display support
- OpenVPX MOD3-PAY-2F2U-16.2.3-3 compliant
- Onboard 16GB DDR4-2133 with ECC support
- Configurable PCIE x8 ports on data plane
- Two 1000Base-BX ports on control plane

SPECIFICATION

Processor System	CPU	Intel® E3-1505L v5/ v6		
	Max Speed	2.8 GHz		
	Chipset	Intel® CM236/ CM238		
	BIOS	Redundant AMI UEFI based 16MByte SPI flash		
Memory	Technology	Dual bank DDR4 2133MHz w/ ECC/ 2400MHz w/ ECC (E3v6 family only)		
	Capacity	16GB		
VPX Interface	P1	1x PCIE x8 (NT Capable, configurable to 2 x PCIE x 4 or 4x PCIE x 2 from Gen.3 switch); 1 x USB 3.0; 2 x USB 2.0 2x 10/100/1000Base-T; 2x 1000Base-BX		
	P2	2x SATA-III; DPx1; 2x USB 2.0; 2x UART (mode selectable via FPGA setting); 1 x HDA		
	Option 1	2nd DisplayPort, 3rd, 4th UART		
	Option 2	X8D		
Graphics	Controller	Intel® HD Graphics P530/ P630		
Ethernet	Controller	Intel® i350-AM4 Quad Port Gigabit Ethernet Controller to backplane		
		Intel® i210AT Single Port Gigabit Ethernet Controller to front panel		
Front Panel I/O Module	Ethernet	1 x RJ-45 10/100/1000BASE-T		
	USB	1x USB 2.0/3.0		
	Display	VGA		
Operating System	Compatibility	Linux (with the kernel 3.10 or above); Windows10, Windows 7		
Storage	Onboard Flash	64 GB SATA		
Security	Trusted Platform Module	2.0		
Power Requirement	Consumption	45W total power envelope with 25W CPU		
Physical Characteristics	Dimensions	160.00 x 100.00 mm (6.3" x 3.95") (W x D), 5HP (H)		
	Weight	0.54 kg without peripherals		
Environment	Temperature	Operating	Non-Operating	
		-40 ~ 70 °C (convection cooled)	-55 ~ 105 °C	
		-40 ~ 85 °C (card edge, conduction cooled)		
	Humidity	95%@40°C, non-condensing	95%@60°C, non-condensing	
	Operation Shock	VITA 47, OS2		
	Vibration	VITA 47, V3		
Altitude	50,00ft above sea level	60,000ft, -40°C above sea level		

Compliance

VPX	OpenVPX (VITA 65), REDI (VITA 46.2)
Safety	FCC class A, CE, RoHS
EMC	FCC47 CFR Part15, Class A, CE Mark (EN55022/EN55024/EN300386)

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Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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