



Wavesys Server Appliances

IP-03 Series

The Power to do More

IP-03R-NVR4B1U-D15S

Wavesys Dual Socket 4 Bay 1U Server Appliances for most demanding applications including Video Management, recording, database and monitoring application.

Ideal choice for dense and balance computing with the latest technology to power demanding workloads including virtualization scale out database and video management and recording applications.

Powered by latest 2x Intel Xeon Scalable 3rd Generation Processors with both CPUs adding upto 32 cores for peaked processing performance

Each Wavesys appliance unit is rigorously tested, can be customized to meet solution design, functionality and reliability, tested and certified by Wavesys global team for optimal performance , delivering ready to use appliance simplifying deployment and case resolution.

Cyber Resilient Architecture with protected supply chain and factory-to-site integrity assurance and end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls ensuring trusted operations

Increased Internal Storage capacity with Up to 4 x 3.5-inch duty cycle SAS/SATA (HDD/SSD) max 64 TB storage for high-speed applications like video surveillance

Server appliances can be purpose built , driven by performance by using NVIDIA Passive GPU Accelerator cards ,increased memory workloads with up to 16 DDR4 RDIMMS up to 3200 MT/sec when using 3rd Gen Intel Xeon Processors .

Enjoy peace of mind by opting for validated appliances preloaded with Wavesys Video Management Software WVMS, Wavesys Ai Analytics WVCA, Wavesys Facial Recognition Software WFRS and Wavesys LPR with easy activation licenses guaranteeing optimal fit, both now and down the road with software supporting native level integration with 15000+ devices

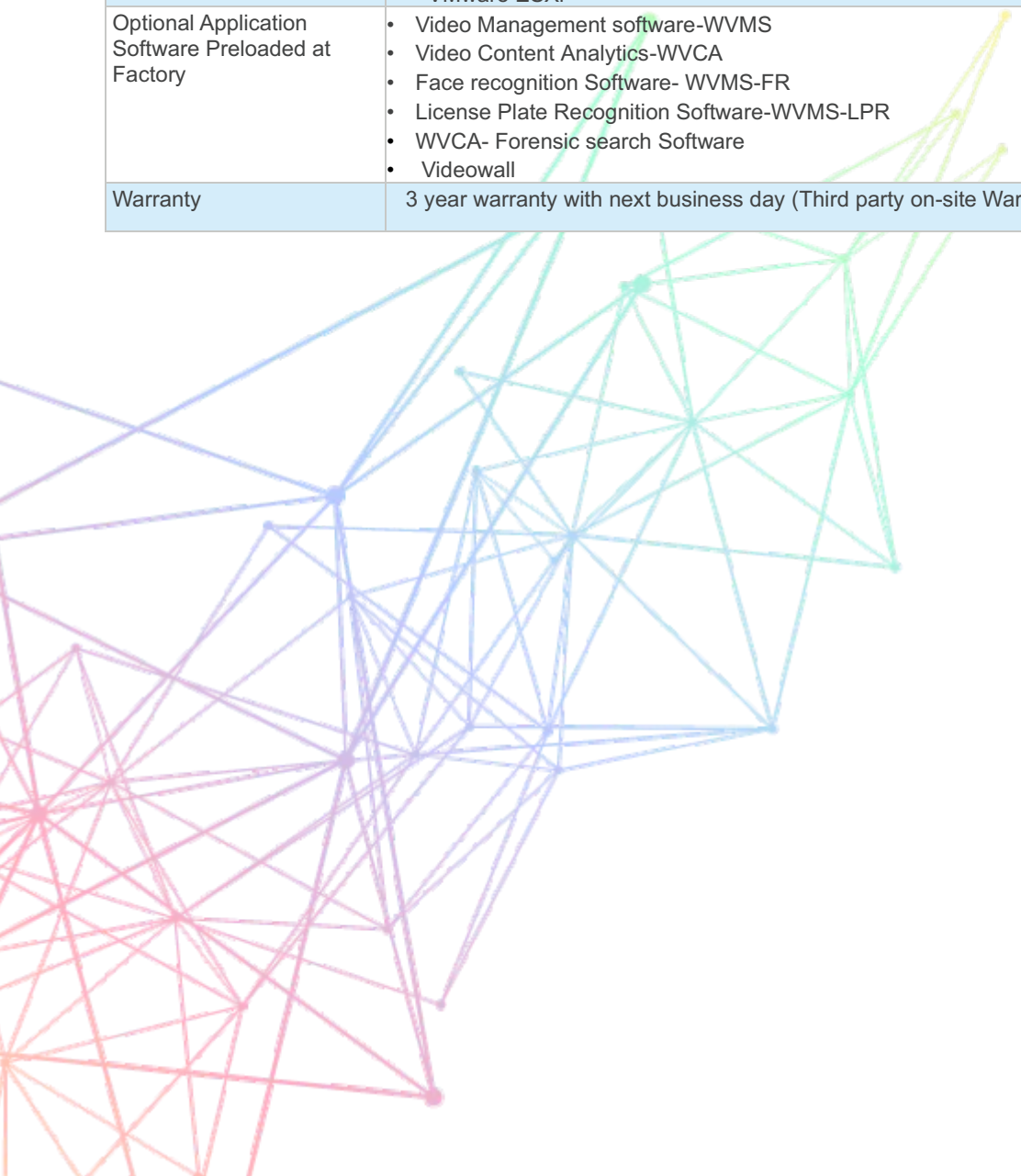


Simplify, automate and centralize one-to-many management with systems management console and iDRAC delivering enhanced user experience by proactive monitoring and helping in failure prevention.

Onsite Support with Standard 3 Year Warranty with extension to up to 5 and 7 Years On Special request and additional costs.

Feature	Technical Specifications
Model	IP-03R-NVR4B1U-D15S
Processor	<ul style="list-style-type: none"> Up to two 3rd Generation Intel Xeon Scalable processors with up to 32 cores
Memory	<ul style="list-style-type: none"> 16 DDR4 DIMM slots, supports RDIMM 1 TB max, speeds up to 3200 MT/s Supports registered ECC DDR4 DIMMs only
Storage controllers	<ul style="list-style-type: none"> Internal controllers: PERC H345, PERC H355, PERC H745, PERC H755, PERC H755N, HBA355i, S150 Internal Boot: Internal Dual SD Module, Boot Optimized Storage Subsystem (BOSS1): HWRAID 2 x M.2 SSDs, USB External PERC (RAID): PERC H840, HBA355e
Drive Bays	<p>Front bays:</p> <ul style="list-style-type: none"> 0 drive bay Up to 4 x 3.5-inch SAS/SATA (HDD/SSD) max 64 TB Up to 8 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 61.44 TB Up to 10 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 76.8 TB <p>Rear bays:</p> <ul style="list-style-type: none"> Up to 2 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 15.36 TB
Power Supplies	<ul style="list-style-type: none"> 600W Platinum Mixed Mode (100-240Vac or 240Vdc) hot swap redundant 700W Titanium Mixed Mode (200-240Vac or 240Vdc) hot swap redundant 800W Platinum Mixed Mode (100-240Vac or 240Vdc) hot swap redundant 1100W Titanium Mixed Mode (100-240Vac or 240Vdc) hot swap redundant 1400W Platinum Mixed Mode (100-240Vac or 240Vdc) hot swap redundant 1100W -48Vdc hot swap redundant (CAUTION: only works with -48Vdc to -60Vdc power input) 1800W Titanium Mixed Mode (200-240Vac or 240Vdc) hot swap redundant
Cooling Options	<ul style="list-style-type: none"> Air cooling
Fans	<ul style="list-style-type: none"> Standard (STD) fans, High performance SLVR fans or High performance GOLD fans Up to seven cabled fans
Dimensions	<ul style="list-style-type: none"> Height – 42.8 mm (1.68 inches) Width – 482 mm (18.97 inches) Depth – 734.95 mm (28.92 inches) – without bezel 748.79 mm (29.47 inches) – with bezel
Form Factor	1U rack server
Embedded Management	<ul style="list-style-type: none"> iDRAC9 iDRAC Direct iDRAC RESTful API with Redfish iDRAC Service Module Quick Sync 2 wireless module
Bezel	Optional LCD bezel or security bezel
OpenManage Software	<ul style="list-style-type: none"> CloudIQ for PowerEdge plug in OpenManage Enterprise OpenManage Enterprise Integration for VMware vCenter OpenManage Integration for Microsoft System Center OpenManage Integration with Windows Admin Center OpenManage Power Manager plugin OpenManage Service plugin OpenManage Update Manager plugin
Mobility	OpenManage Mobile
OpenManage Integrations	<ul style="list-style-type: none"> BMC Truesight Microsoft System Center OpenManage Integration with ServiceNow Red Hat Ansible Modules Terraform Providers VMware vCenter and vRealize Operations Manager

Security	<ul style="list-style-type: none"> • Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secure Erase • Secured Component Verification (Hardware integrity check) • Silicon Root of Trust • System Lockdown (requires iDRAC9 Enterprise or Datacenter) • TPM 2.0 FIPS, CC-TCG certified 	
Embedded NIC	2 x 1 GbE LOM card (optional)	
Network options	<ul style="list-style-type: none"> • 1 x OCP card 3.0 (optional) 	
GPU Options	-	
Ports	Front Ports 1 x iDRAC Direct (Micro-AB USB) port, 1 x USB 2.0, 1 x VGA	Rear Ports 1 x Dedicated iDRAC Ethernet port 1 x USB 2.0, 1 x USB 3.0, 1 x VGA 1 x Serial (optional)
	Internal Ports <ul style="list-style-type: none"> • 1 x USB 3.0 (optional) 	
PCIe	<ul style="list-style-type: none"> • Up to 3 x PCIe Gen4 slots 	
Operating System and Hypervisors	<ul style="list-style-type: none"> • Canonical Ubuntu Server LTS • Citrix Hypervisor • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi 	
Optional Application Software Preloaded at Factory	<ul style="list-style-type: none"> • Video Management software-WVMS • Video Content Analytics-WVCA • Face recognition Software- WVMS-FR • License Plate Recognition Software-WVMS-LPR • WVCA- Forensic search Software • Videowall 	
Warranty	3 year warranty with next business day (Third party on-site Warranty Support)	



Supported Processors

Processor	Clock Speed (GHz)	Cache (M)	UPI (GT/s)	Cores	Threads	Turbo	Memory Speed (MT/s)	Memory Capacity	TDP
6338	2	36	11	32	64	Turbo	3200	6 TB	205 W
6338N	2	48	11	32	64	Turbo	2666	6 TB	185 W
6336Y	2	36	11	24	48	Turbo	3200	6 TB	185 W
6334	4	18	11	8	16	Turbo	3200	6 TB	165 W
6330	2	42	11	28	56	Turbo	2933	6 TB	205 W
6330N	2	42	11	28	56	Turbo	2666	6 TB	165 W
6326	3	24	11	16	32	Turbo	3200	6 TB	185 W
6314U	2.3	48	11.2	32	64	Turbo	3200	6 TB	205 W
6312U	2.4	36	11.2	24	48	Turbo	3200	6 TB	185 W
5320	2.2	39	11.2	26	52	Turbo	2933	6 TB	185 W
5320T	2.3	30	11.2	20	40	Turbo	2933	6 TB	150 W
5318Y	2.1	36	11.2	24	48	Turbo	2933	6 TB	165 W
5317	3	18	11.2	12	24	Turbo	2933	6 TB	150 W
5315Y	3.2	12	11.2	8	16	Turbo	2933	6 TB	140 W
4316	2.3	30	10.4	20	40	Turbo	2666	6 TB	150 W
4314	2.4	24	10.4	16	32	Turbo	2666	6 TB	135 W
4310	2.1	18	10.4	12	24	Turbo	2666	6 TB	120 W
4310T	2.3	15	10.4	10	20	Turbo	2666	6 TB	105 W
4309Y	2.8	12	10.4	8	16	Turbo	2666	6 TB	105 W

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