



Wavesys Server Appliances

IP-03 Series

The Power to do More

IP-03T-NVR8B- D16S

Wavesys Tower design servers are Enterprise class servers with 8x 3.5-inches drives that offers advanced technologies with accelerators featuring with up to two Xeon Scalable processors, doubled-bandwidth DDR5 memory, double-speed PCIe Gen5, and up to 6 GPUs to Securely stores, processes and analyzes data in accordance with enterprise levels of security with cyber-resilience.

Boasts exceptional performance with unrivaled expandability with new Smart flow supported air cooled technology within its chassis thus supporting the highest core count CPUs

Support for GPUs including 2 x double-wide or 6 x single-wide for workloads requiring acceleration.

Powered by latest 2x Intel Xeon Scalable 4th Generation and 5th generation Processors with both CPUs adding upto 64 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 8x 3.5-inch duty cycle SAS/SATA (HDD/SSD) max 160 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 DDR5 RDIMMS up to 4800 MT/sec for 1DPC when using 4th Gen Intel Xeon Processors and up to 16 DDR5 RDIMMS up to 5600 MT/sec for 1DPC when using 5th Gen Intel Xeon Scalable processors.

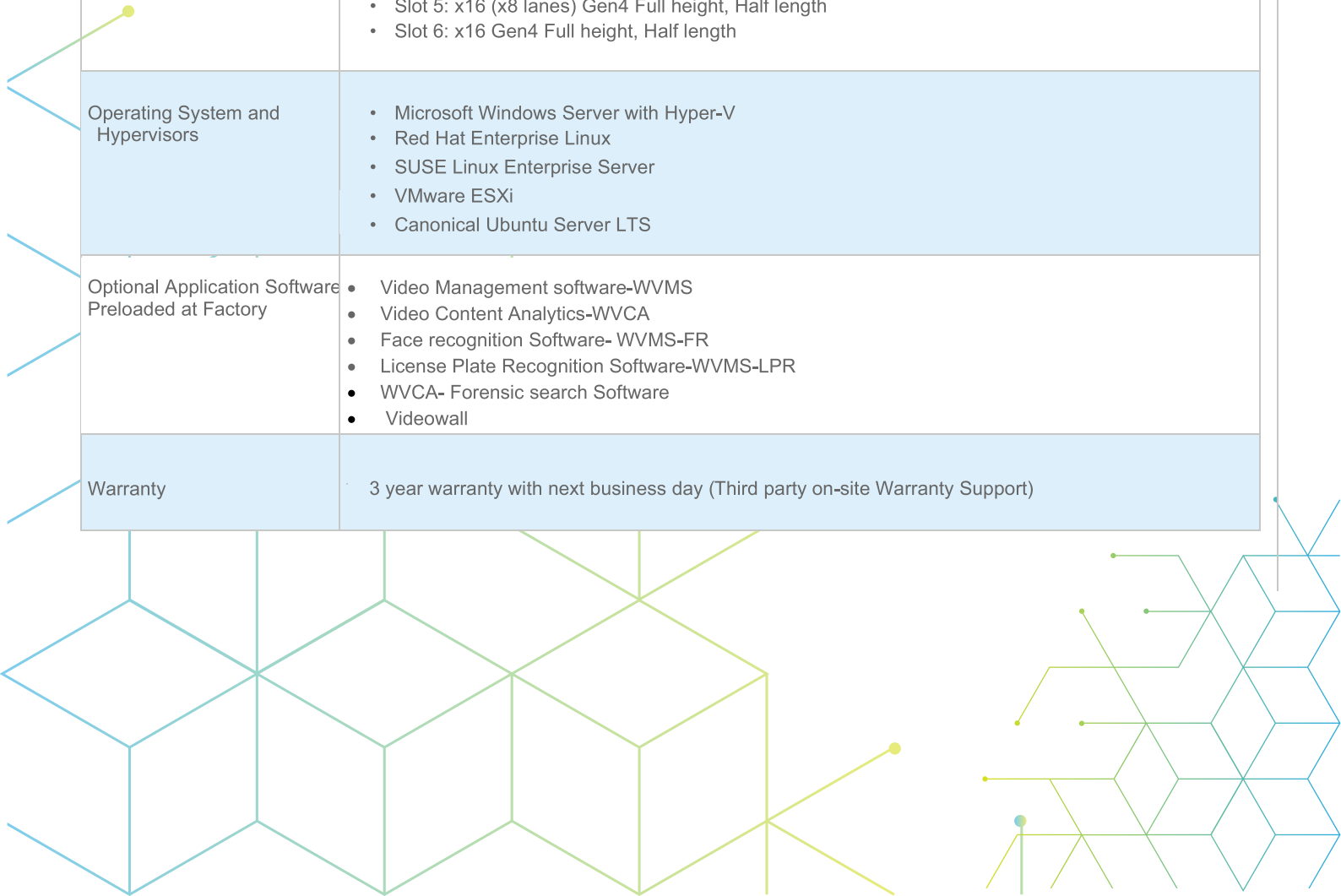
Enjoy peace of mind by opting for validated appliances preloaded with Wavesys Video Management Software WVMS, Wavesys Ai Analytics WVCA, Wavesys Facial Recognition Software WFRS and Wavesys LPR with easy activation licenses guaranteeing optimal fit, both now and down the road with software supporting 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-03T-NVR8B-D16S
Processor	<ul style="list-style-type: none"> Up to two 4th Generation Intel® Xeon Scalable processor, with up to 32 cores per processor Up to two 5th Generation Intel® Xeon Scalable processor, with up to 28 cores per processor
Memory	<ul style="list-style-type: none"> 16 DDR5 DIMM slots, Supports RDIMM 1.5 TB max Speeds up to 4800 MT/s on the 4th Generation Intel Xeon Scalable or Intel Xeon Max processors Speeds up to 5200 MT/s on the 5th Generation Intel Xeon Scalable processors Supports registered ECC DDR5 DIMMs only
Storage controllers	<ul style="list-style-type: none"> Internal Controllers: PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 1, 2 x M.2 NVMe SSDs (cold swap) or USB External HBA (non-RAID): HBA355e Software RAID: S160 (for NVMe drives only)
Drive Bays	<p>Front bays:</p> <ul style="list-style-type: none"> Up to 12 x 3.5-inch SAS/SATA HDD drives, max 180 TB Up to 8 x 3.5-inch SAS/SATA HDD drives, max 120 TB Up to 8 x 3.5-inch SAS/ SATA HDD + 8 x 2.5-inch NVMe SSD drives, max 240 TB Up to 8 x 2.5-inch SAS/SATA HDD drives, max 120 TB Up to 16 x 2.5-inch SAS/SATA HDD drives, max 240 TB Up to 24 x 2.5-inch SAS/SATA HDD drives, max 360 TB
Power Supplies	<ul style="list-style-type: none"> 2800 W Titanium 200—240 VAC or 2800 W 240 VDC, hot swap redundant 2400 W Platinum 100—240 VAC or 2400 W 240 VDC, hot swap redundant 1800 W Titanium 200—240 VAC or 1800 W 240 VDC, hot swap redundant 1400 W Titanium 277 VAC or 1400 W 336 VDC, hot swap redundant 1400 W Platinum 100—240 VAC or 1400 W 240 VDC, hot swap redundant 1100 W Titanium 100—240 VAC or 1100 W 240 VDC, hot swap redundant 1100 LVDC -48 — (-60) VDC, hot swap redundant 800 W Platinum 100—240 VAC or 800 W 240 VDC, hot swap redundant 700 W Titanium 200—240 VAC or 700 W 240 VDC, hot swap redundant 600 W Platinum 100—240 VAC or 600 W 240 VDC, hot swap redundant
Cooling Options	<ul style="list-style-type: none"> Air cooling
Fans	<ul style="list-style-type: none"> Up to eight Standard (STD) fans or High performance (HPR) fans
Dimensions	<ul style="list-style-type: none"> Height — 464.0 mm (18.26 inches) (with feet) 508.8 mm (20.03 inches) (with caster wheels) 446.0 mm (17.60 inches) (without feet) Width — 200.0 mm (7.87 inches) Depth — 678.2 mm (26.70 inches) (with bezel) 660.6 mm (26 inches) (without bezel)
Form Factor	4 U tower 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, TPM 2.0 	
Embedded NIC	2 x 1 GbE LOM card (optional)	
Network options	1 x OCP x8 card 3.0 Note: The system allows both LOM on planar and OCP card to be installed on the system.	
GPU Options	Up to 2 x 300 W DW or 6 x 75 W SW	
Ports	Front Ports <ul style="list-style-type: none"> • 1 x USB 2.0 • 1 x USB 3.0 • 1 x iDRAC Direct (Micro-AB USB) port 	Rear Ports <ul style="list-style-type: none"> • 1 x USB 2.0 • 1 x USB 3.0 • 1 x Serial port (optional) • 1 x Dedicated iDRAC (RJ45) port • 1 x VGA port • 2 x Ethernet ports
	Internal Ports <ul style="list-style-type: none"> • 1 x USB 3.0 (optional) 	
PCIe	Up to six PCIe slots: <ul style="list-style-type: none"> • Slot 1: x16 Gen5 Full height, Full length • Slot 2: x16 Gen5 Full height, Full length • Slot 3: x16 Gen4 Full height, Half length • Slot 4: x16 Gen4 Full height, Half length • Slot 5: x16 (x8 lanes) Gen4 Full height, Half length • Slot 6: x16 Gen4 Full height, Half length 	
Operating System and Hypervisors	<ul style="list-style-type: none"> • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi • Canonical Ubuntu Server LTS 	
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
6448Y	2.1	60	16	32	64	Turbo	4800	6TB	225W
6442Y	2.6	60	16	24	48	Turbo	4800	6TB	225W
6438Y+	2	60	16	32	64	Turbo	4800	6TB	205W
6438M	2.2	60	16	32	64	Turbo	4800	6TB	205W
6434	3.7	23	16	8	16	Turbo	4800	6TB	205W
6426Y	2.5	38	16	16	32	Turbo	4800	6TB	185W
5420+	2	53	16	28	56	Turbo	4400	6TB	205W
5418Y	2	45	16	24	48	Turbo	4400	6TB	185W
5416S	2	30	16	16	32	Turbo	4400	6TB	150W
5415+	2.9	23	16	8	16	Turbo	4400	6TB	150W
5412U	2.1	45	16	24	48	Turbo	4400	6TB	185W
4416+	2	38	16	20	40	Turbo	4000	6TB	165W
4410Y	2	30	16	12	24	Turbo	4000	6TB	150W
4410T	2.7	27	16	10	20	Turbo	4000	6TB	150W
3408U	1.8	23	16	8	16	No Turbo	4000	6TB	125W
6534	3.9	22.5	20	8	16	Turbo	4800	4TB	195W
6526Y	2.8	37.5	20	16	32	Turbo	5200	4TB	195W
5512U	2.1	52.5	N/A	28	56	Turbo	4800	4TB	185W
4514Y	2.0	30	16	16	32	Turbo	4400	4TB	150W
4510	2.4	30	16	12	24	Turbo	4400	4TB	150W
4509Y	2.6	23	16	8	16	Turbo	4400	4TB	125W

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