HAWK

X^E

Beyond the Limits...

INNOVATION DELIVERED

Form Factor Sizes: 2/4/6/8U Standard server/network racks.

Part No: AITS25HWX
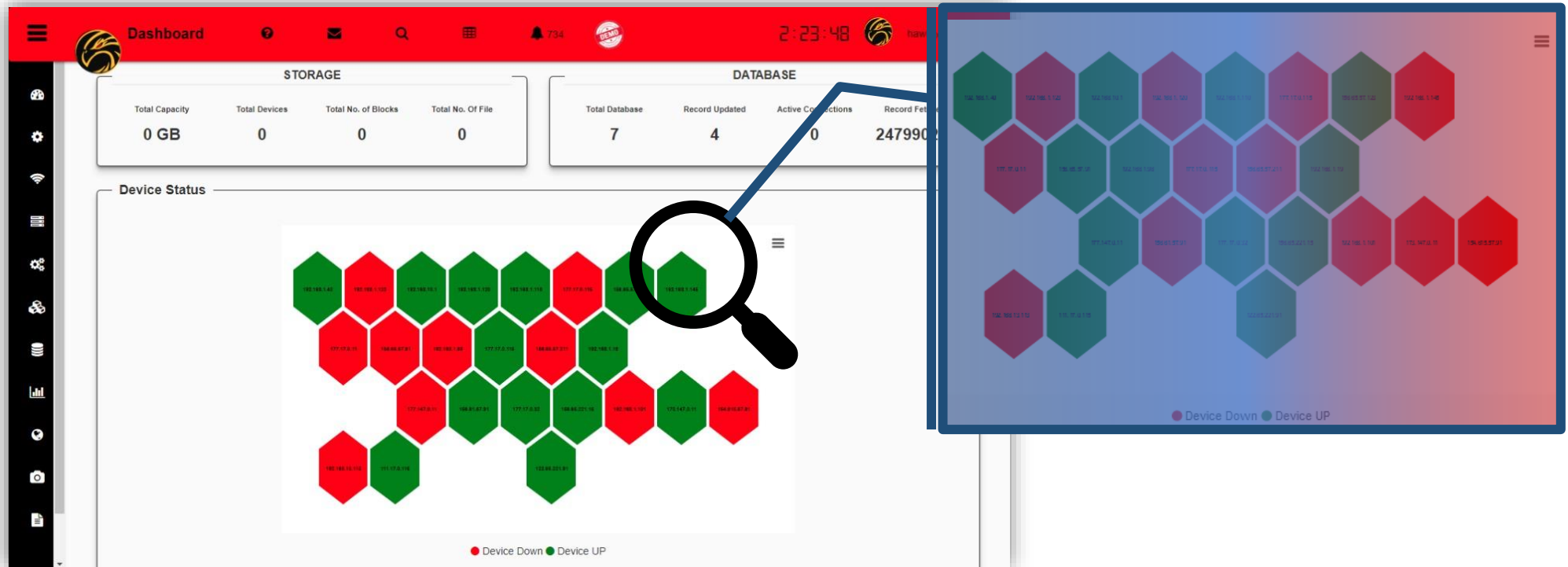**AITS24HWX**

HAWK Series **M**

HAWK Series **X**

HAWK Series *Live*

World's 1ˢᵗ unified NMS Device (IIoT4.0, AI, ML, and Automation)

A new breed of NMS Solution. A Plug 'N' Play device to monitor and manage your Core IT Datacenter, IT Infrastructure, NOC services, application, operation, network and security.

Dashboard   🕐 2:23:48

STORAGE				DATABASE			
Total Capacity	Total Devices	Total No. of Blocks	Total No. Of File	Total Database	Record Updated	Active Connections	Record Fet...
0 GB	0	0	0	7	4	0	247990...

Device Status

● Device Down ● Device UP

● Device Down ● Device UP

Datasheet

❖ **Stand-Alone Device & Independent Operation.**

It is a standalone monitoring system which works as (Device)-aaS.
Therefore, neither third party PC/device/integration/ Hardware nor external application software(s) is required. Easy to set-up, operate, and maintain.
For advance features accessories component are available.
For Distributed / Multi-Location businesses with MPLS/IoT/RNMS/SD-WAN/CoLo and PR-DR connectivity Architectures. (Stacking & Replication for ACTIVE/PASSIVE | ACTIVE/ACTIVE Redundancy). Check Here **Buzz**ard (An EMS- Environmental Monitoring System Rack- Bug device) & IoT EdgE

❖ **Compatibility Matrix: NMS Hardware**

Product (Hawk)®	Xe (Enterprise Edition)	
Configuration	**XE**	**Description**
RAM	**16/32 Slot**	**DDR4/DDR5- ECC**
Processing platform	Intel (Multi Core)	**Intel Xeon latest Gen Scalable dual/quad socket processors (CPU) TDP up to 350W)**
Network	**GbE/10GE /SFP10G***	**1/2 x (dual 10GbE ports)**
Bays Compatibility	Yes	**Provision for populating up to 4 to 24 x 3.5"/2.5" HDDs/ SSD**
Chipset	Intel	**Intel® C621/C622/C741/Higher**
Storage platform	**RAID Type + Octane***	**RAID 5/10** SATA/SSD/NVMe Opional/ additional

✓ Base Platform to run (environment)	Linux (Inbuilt)	Linux (Inbuilt)
✓ Accessories supported	Yes	BuZZ, EDGE
✓ Power	Dual / Quad Power	Redundant Power Supply
✓ Expansion (I/O) ✓ Ports	Yes Yes	4 PCI-E 3.0 x16/ 2 PCI-E 3.0 x8, 2x USB 2.0, 2x USB 3.0 ,1 x VGA/HDMI (Depending over model)
✓ Hosts	Up to 250000*	As per bid specifications (XXXXX)
✓ Additional Software / Third party Integration	Not Required (Check with pre-sales or Tech team for 3rd party API integration)	
✓ Additional Hardware accessories (***)	Yes (Additional Accessories – Optional like BUzz)* IoT Gateway, EdgE – IIoT4.0	
✓ Browser Supports (Firefox, Chrome, IE, Opera, Safari) and all major resolutions (IOT Devices, Video Wall, NOC Wall, Large monitor, Multi-monitor, Desktop, Projection)	YES	
✓ Operating Systems compatibility	Inbuilt (Linux)	
• Windows Client supported	YES	
• Linux Client supported	YES	
• MAC Client Supported	YES	
• Virtual Machines / Hypervisors supported	YES	

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|	
✓ Reports and Formats (Excel (csv), PDF, JSON/XML)	**YES**
✓ Alerts / Alarms (SMS*#, Email, Web-Console)	**YES**
✓ Auto Hawk Mode (AI & ML Based) - (Prediction and Auto Correction as defined instructions) Thunder Alerts	**YES**

*If device manufacturer OEM is partner for aKus ITs or our authorized accessories. Please check your model accessories in website section. You can contact our sales professional assigned.
** Additional ***Optional *# Third party services will be required. Datasheet doesn't guarantee to all the technical compliance points to be listed here. For any specific write to us: sales@akus.co.in

❖ **Unified NMS Features (Embedded Software)**

Product: (Hawk)	XE Series (Enterprise)
Software Version	**HXV24.06 (Latest)**
✓ **DCIM (Assets and Inventory) / Inventory Management System**	YES DCIM (Holistic Assets Simulator)
✓ **EMS Environment Monitoring System**	YES (BUzz)*
✓ **IP Camera**	YES (Status, Stream & Record)*
✓ **CCTV Monitoring System dashboard**	YES (Web-Console Only)
✓ **NMS (Network Management System)**	YES
✓ **Monitoring and Management Solutions**	YES
• Network – NMS (Monitoring & Mgmt.)	YES
• System – (Server, Chassis, and VMs)	YES
• Applications performance – APM	YES
• Websites Performance – WPM (CDN*)	YES
• Database Performance – DBM	YES

• Storage (Capacity) Monitoring – SCM	YES
✓ Custom Reports / Audit Reports	YES
✓ Change Management (Track & record)	YES
✓ User / Group Access Management (UAPM)	YES
✓ Threshold Management	YES
✓ Infra Multi-Topologies- (Auto Architecture level, Wireless, device dashboard Drill-down.)	YES
✓ Alerts (Incident) / Alarms / Notifications (IMS) integrated SLA Mgmt.	YES
✓ CPU Utilisation	YES
✓ Memory Utilisation	YES
✓ Storage Consumptions	YES
✓ Network Utilisation	YES
✓ Databases Utilisation	YES
✓ Power Usage Efficiency	YES
✓ Stacking & Replication	YES
✓ LMS & SSL Certificate monitoring & Mgmt.	YES
✓ Backup & Restore (Central Location/SAN/NAS/DAS/NFS)	YES
	YES
✓ Personalise Monitoring	YES
✓ View Theme (Day / Night)	YES

❖ **Protocols**

Product (Hawk)	XE (Enterprise Edition)
IEEE, IANA, IETF, DMTF – SNIA, MMUSIC WG,	YES
✓ Native Monitoring Protocols	YES
✓ Standard Management Protocols	YES
❖ International Standard High-End Compliance	YES
❖ Certified BIS Components. CE, FC, RoHS compliant components. ISO 9001:2015, 27001:2013,20001,27034, Process compliant ITILv3 and ITSM (15+ Processes), Recyclable	YES

❖ **Version Information**

Base Version	
	Gen: HXV23 – HMV22.01 ←
Hardware / Software	**HXV24.06**

❖ **Other Useful Information**

Product	Key points
Hawk	IIoT4.0 Enabled PnP Enterprise Device – Unified Network Management System (NMS) – Unified Solution for NeXT Generation IT Infrastructure

Suitable (available for all categories)- Multi Vendor & Multi Protocols Compatible	XE (Enterprise series) – Large scale Industries, Enterprises, Corporations etc. (Scalable infinite with up to 250000* hosts within device capacity)
Model	XE
Additional Accessories*	Support BuZZ (EMS: Rack-Bug), IoT- Edge etc.
Type	U-NMS Worldwide/Nationwide Standalone/Stack/Cluster Device(s) with NMS Software embedded, Linux platform along with DB Inbuilt – Web based Console
Modules of Network Monitoring Software	SNMP* Monitoring, Netconf, Restconf, SSH (TLS/SSL), APIs, Netflow, Syslog, NCM, ACIM, Physical host monitoring, rDCIM, APM, DBM, WSM, Agent
Types of Licenses	Perpetual/Subscription (*Individual hosts/node license is **NOT** required)
Agent (No additional cost)	Available in Agent less or Agent full or both (Hybrid)
Redundancy Power	Yes, Internal Redundancy for dual power (2U/4U/6U/8U as per PSU options) - Hot Swap enabled
Mounting	Standard 19" Rack L-Shape Bracket (Included) – 2U/4U/6U/8U Rail bracket (On request Only) Wall – (*back-panel holder supported) (On request Only) Stand mounting – (*Stand) (On request Only)
Power Supply	800W Redundant Platinum 80 PLUS Certified Multi-Output Power Supply Or higher (Included) Or Standard Dual Hot-swap PSU (Rack C14 PDU - 6 Amp Three Pin socket)) higher standard Or higher (Included)
Environment Temperature	Standard cooling temperature of DC / AC- Server Room Temperature

Scope of Installation	Up to 60 months support (Administration excluded) - *extended up to 60 Months
Training Options	On-site (1-10 Days), Virtual, Videos, Tutorial Documents, Admin Guide (Black Book), Slides, VC etc. (Check with Presales team for On-site availability **here**)

❖ **Device Info and integrated functions**

Additional Details	Description I	Description II
Domain / Type	Device (IoT Enabled)- Network Monitoring Software (NMS) – All in All Solution for IT Infrastructure	NMS, DCIM (ITIM | AMS), APM, WPM, EMS, VMS, DBMS, FSO, SCM Control & Monitoring Services and many more...
Modules	Network Monitoring System, Network Management System, DCIM {Data Center(s) Inventory / assets Management (ITIM | AMS) | LMS | Cabling | OFC | PUE | commissioning and decommissioning}, APM – Application Performance Monitoring, Websites Performance Monitoring, Environment Monitoring System, Video (CCTV) Monitoring System, DBMS- Database Monitoring System, SCM –Storage Control & Monitoring Services, Reports, and Audits. Auto discovers hosts.	Suitable for: Home IT office, IT Room, Server room, Computer Room, Server Hall, NOC, NAC, Integrated Command and Control Centers, Datacenters (Tier2, 3, and 4), distributed IT Infrastructure, Nationwide and Worldwide, hybrid and cloud IT, CoLo, etc. ITSM, ITAM, ITOM, NMS (Monitoring and Mangement), APM, Websites, Reporting, Autodiscovery, Multi-Network, Multi-Location.
Type	Standalone Device with Inbuilt Software and Web based Console	(No Additional Hardware or Software required) **
Country Origin	Make in India	
Lot / Part No	AITS25HWX	

Software Description	HXV 23.01
Software Version & Date of Launch of Version	HXV 01.01.2023 enterprise in continuation along with HMV	01.01.2021
Web-Console Resolution	Supported FHD (<1920 x 1080) to 4K (3840 x 2160>)	Check Series and model
Licence Delivery Mode and upgrade	Electronic License (Offline / Online)	Upgrade (Through Electronic medium like DVD, Flash, USB, etc.)
Platform type	IoT enabled Hardware –Plug and Play Appliance/Server with Web based console for management and monitoring.	
Hosting &Deployment	Client's Private Cloud, Shared, Co-Location, Multi-location, VSAT, MPLS, IoT gateway, Wireless, RF network, CAN, or On Premises (Rack Mount, Wall Mount, and Stand Mount – suitable option available along with the)	
Download Data sheet	URL: www.akus.co.in	

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