Machine Learning Prediction

AI

IOT

INNOVATION DELIVERED

MSME — MICRO, SMALL & MEDIUM ENTERPRISES
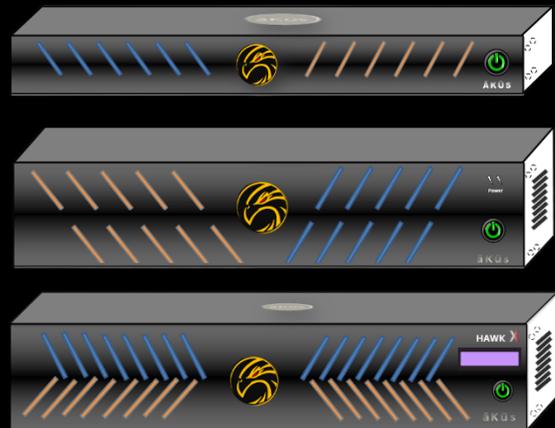GeM
ISO 9001
ISO 27001
ISO 20000
ISO
CE
FC
RoHS Compliant

HAWK (M & X SERIES)

UNIFIED NMS
[NETWORK MANAGEMENT & MONITORING SYSTEM]

PLUG N PLAY APPLIANCES
IIOT4.0 & 5G ENABLED

HAWK X

āKüs

1800 309 9987 (Toll-Free)
Sales@akus.co.in (Ind)
Sales@akus.io (Global)

AKUS IT SOLUTIONS
UNIT-250, 2ND FLOOR, VARDHMAN CROWN MALL, SEC-19, DWARKA, NEW DELHI-75
INDIA (15+ LOCATIONS)- *DELHI/NCR, MUMBAI, HYDERABAD, CHENNAI, PUNE, BANGALORE, KOLKATA, LUDHIANA, BHOPAL, AHMEDABAD, GWALIOR ,* **CHANDIGARH ...**
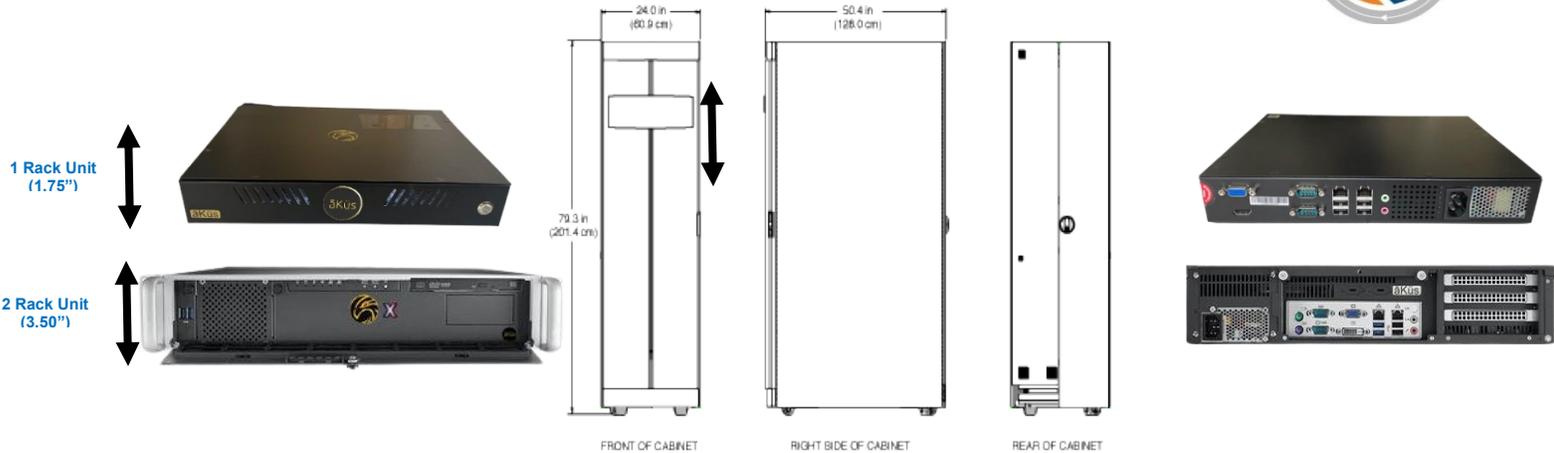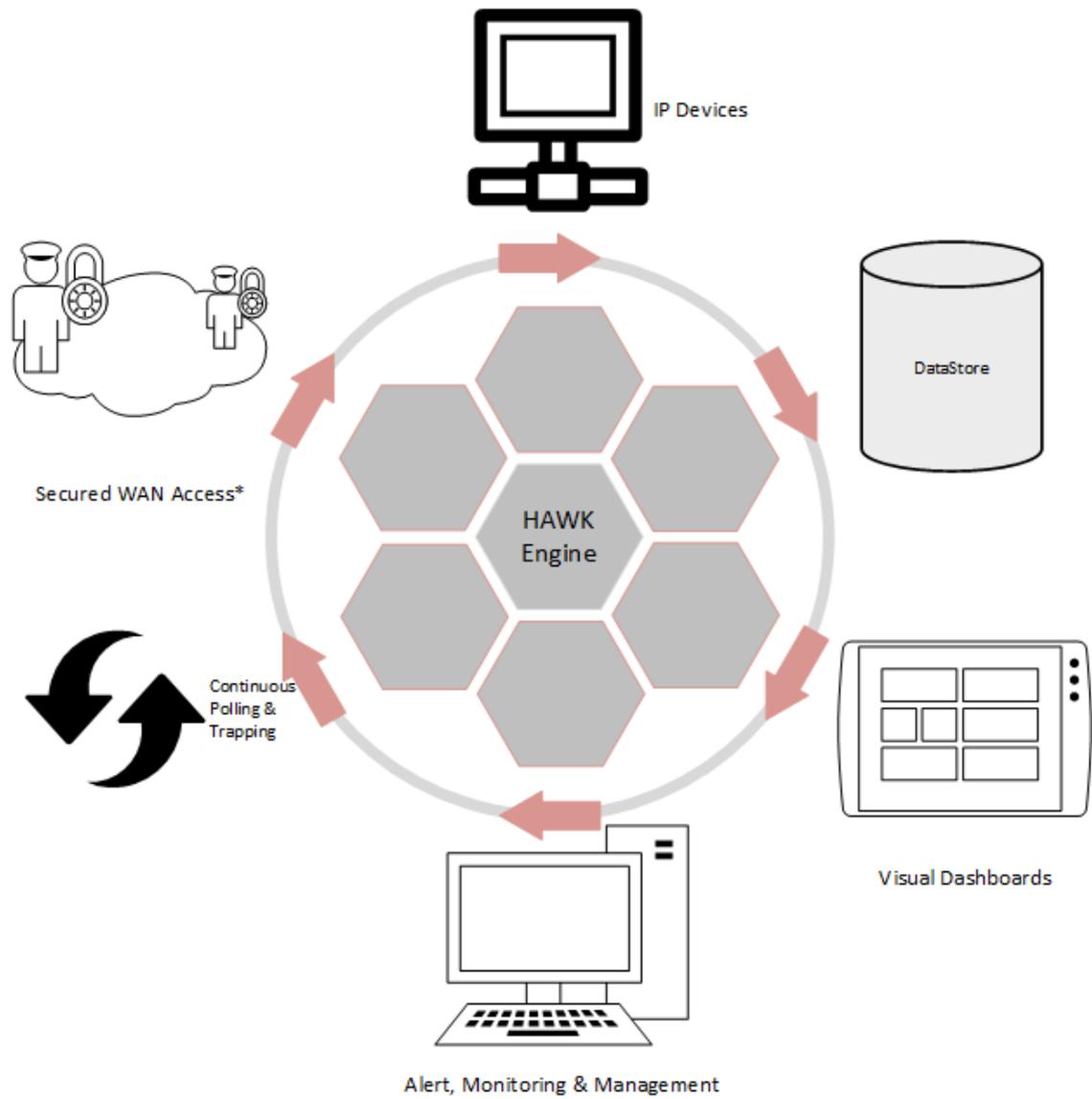
M Series

1. Appliance & Dashboard

A powerful IoT enabled and AAA powered device for robust performance.
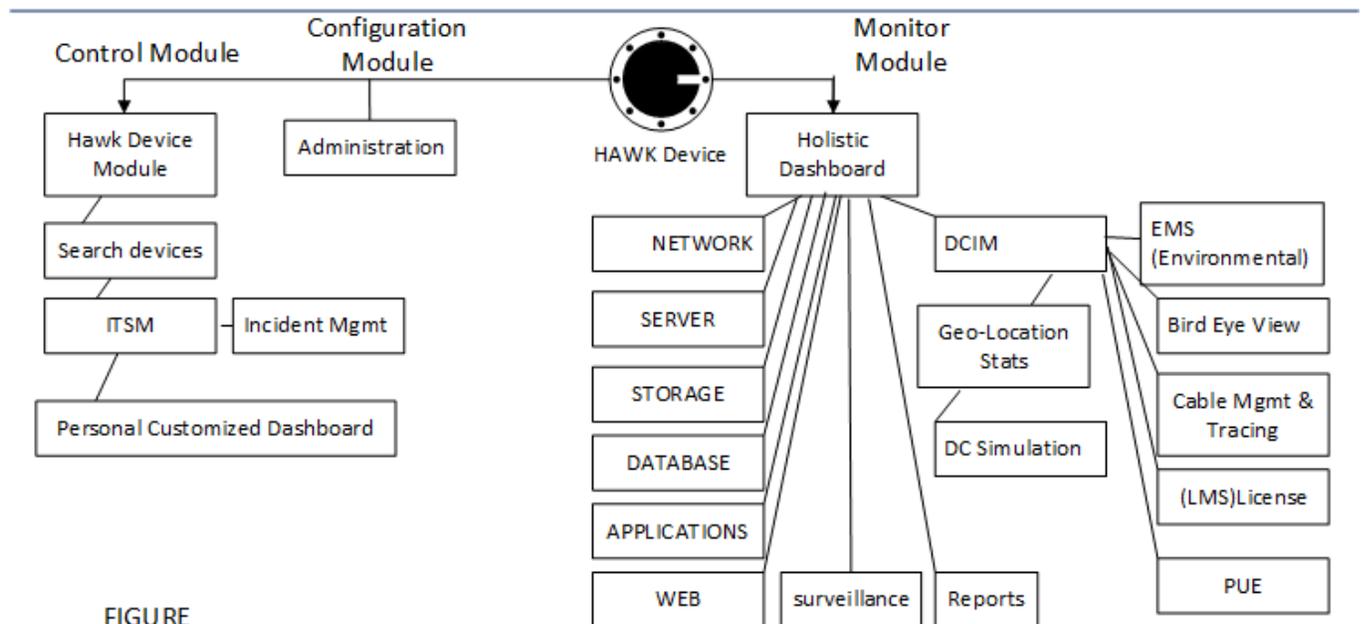
- Self-Monitored
- Custom Thresholds
- Plug N Play NMS Appliance
- Compact and lightweight
- 1/2/4 RU sizes
- Nodes upto 3000 (M Series) and 2.5 lacs (X Series)
- Dual (Multi) Network upto 60Gbps Ethernet and Dual Power (**Prior Confirmation required)
- Dual RS232/ HDMI / VGA Supported
- Suitable for all DC Environment
  (Centralised, De-Centralised, Private Cloud, Co-Lo, Shared, On Premises, Hyperscalers)
- Warranty and Support: Upto 5+ years*
- International Standards Complied for ITIL and ITSM

* Default warranty is 2 years + extended warranty is available upto 3 and more years | **Additional
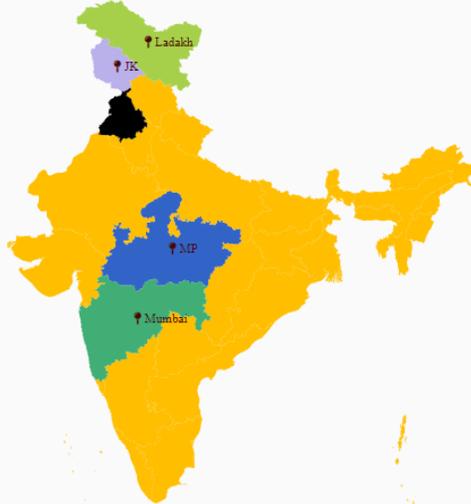
IP Devices

DataStore

Secured WAN Access*

HAWK
Engine

Continuous
Polling &
Trapping

Visual Dashboards

Alert, Monitoring & Management

FIGURE

Control Module

Configuration
Module

Monitor
Module

Hawk Device
Module

Administration

HAWK Device

Holistic
Dashboard

Search devices

NETWORK

DCIM

EMS
(Environmental)

SERVER

Geo-Location
Stats

Bird Eye View

ITSM

Incident Mgmt

STORAGE

Cable Mgmt &
Tracing

Personal Customized Dashboard

DATABASE

DC Simulation

(LMS)License

APPLICATIONS

WEB

surveillance

Reports

PUE

FIGURE

2. Assets Holistic Simulation

ASSETS	MANAGEMENT	CABLES	LMS	MISCELLANEOUS

Data Center

#	Data Centers	Link	Top View	EMS	Delete	Edit
1	Mumbai	Link	↑	Link	🗑	✎
2	Ladakh	Link	↑	Link	🗑	✎
3	MP	Link	↑	Link	🗑	✎
4	JK	Link	↑	Link	🗑	✎

Showing 1 to 4 of 4 entries   Previous   1   Next
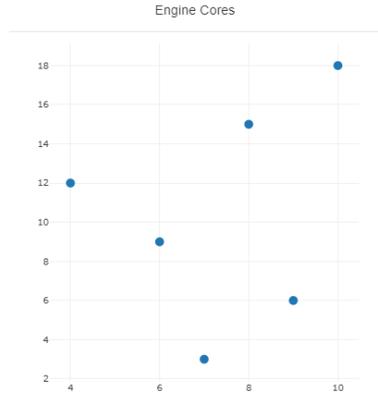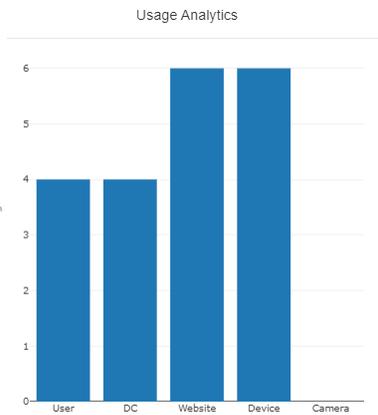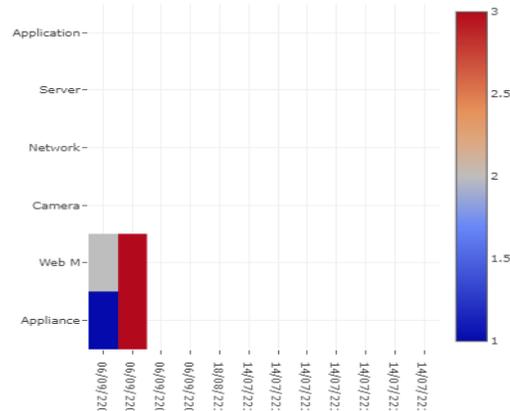
DCIM (INVENTORY / ASSETS MGMT)

- **Geo-location Mapping**

- **Holistic Simulation View of DC(s), Row(s), Rack(s) and Devices**

- **Auto Discovery**

- **Multi-Mode Communication**

- **Cable Inventory MGMT and Real-Time Tracing**

- **License and SSL tracking**

- **PUE Certificate**

- **Commissioning and De-commissioning**

- EMS (Environmental Sensors - BuZZ) And Top View

3. Central Summary Dashboard

Hawk Summary View: Glance at entire IT eco-system.
(Infrastructure, Applications, Security, Environment, Web, Camera**, Operation and Services).
Real-Time summary of all Modules

- Interactive Sun-Dial Assets View
- Notification Heat Map
- Summary of All modules
- STATS for Modules
- Notification Counters
- Usage and Capacity Stats
- Multi Core Engine Stats

Usage Analytics

Engine Cores

| | 19 Total Devices | 232 Notifications | 1 Data Centers | 2 Users | 0 Applications | 3 Websites |

NETWORK

Total Devices	Total Inbound	Total Outbound	Total Interface
9	20.630 TB	23.450 TB	1322811

SERVER

Total Servers	Project Engaged	Total Blade Chasis	Total VM
9	0	1	8

STORAGE

Total Capacity	Total Devices	Total No. of Blocks	Total No. Of File
0 GB	1	0	0

DATABASE

Record Inserted	Record Updated	Record Deleted	Record Fetched
0	0	-	0

Devices

Usage Analytics

Engine Cores

Notification Heatmap

4. Modules

1. **Network (IT and non-IT devices)**
   - Holistic Summary
   - Device Dashboard
   - Topologies (Network Architectural, Multi-Mode, Drill-Down, Wireless and Flow)
   - Orchestration
   - Three Layer Logs (System, Platform, Applications)
   - Thresholds (Customizable)

2. **Server(s)**
   - Holistic Summary
   - Device Dashboard with service level interfaces stats
   - Support Physical Server, VM, Hypervisor, Blade-Chassis, UCS
   - Bulk Patch Management
   - Direct Secured Access, Threshold Mgmt, Logs (3 Layer), Custom parameter Addition
   - Direct assign to User Personal Dashboard

3. **Storage(s)**
   - Load and Traffic Monitoring
   - Users access Stats
   - Capacity Stats
   - Storage Physical health stats and RAID Event
   - Minor/Partial/Moderate/Serious/Acute Failure notification alerts
   - Disk Controller and Disk device status
   - Paring, volume, File Process, OverFlow, Quorum, Blockade,

4. **Database(s)**
   - Database Stats
   - Record details and sizes
   - DB status
   - User, query, session, fetched, load and tracking

5. **APM**
   - Application Performance monitoring and management
   - Auto Corrective action (Application unstoppable Performance)
   - Rigorous monitoring for availability and uptime details

6. **Web + CDN**
   - Web
     - Response Time monitoring, Pattern Tracking, Availability, SSL, AI based Auto shuffling for priority.
   - CDN
     - API Manager（No integration required for Open CDN / Hard-Code CDN users)
     - Supports more than 30 worldwide CDN provider (Check with pre-sales team)
     - Globetrotter Status of websites (CDN Enabled)

7. **CCTV**
   - Record Offline/Online and Live Stream
   - Face Identification and recognized person logs
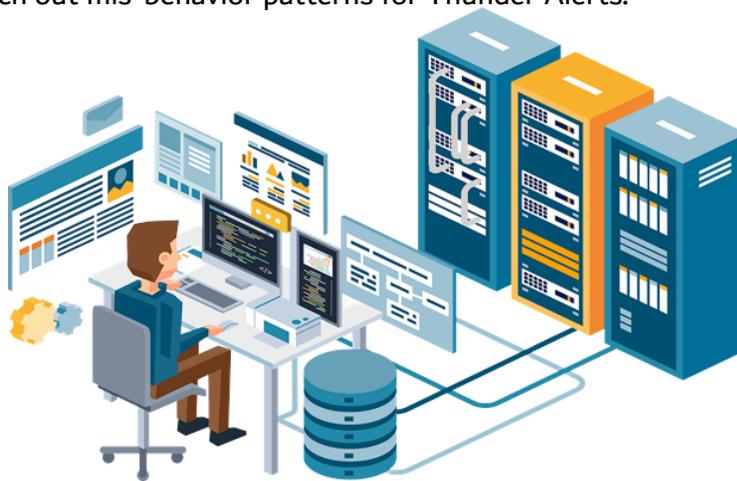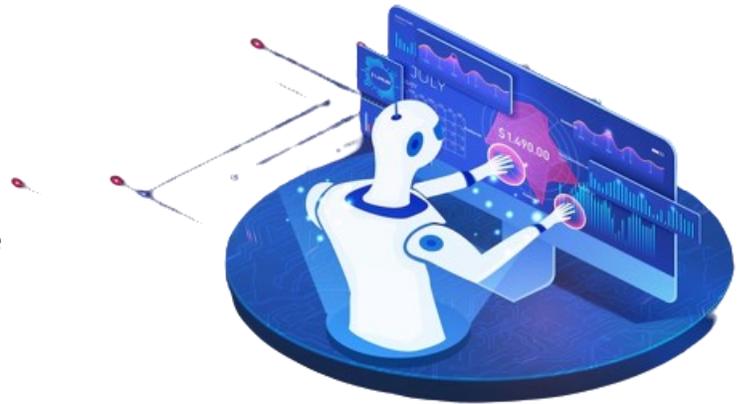   - (Motion Detection and recording to reduces storage utilisation)

ADVANCE

AI

An State-of-the-Art intelligence to Analyze real-time requirements and Act.

ML

Analyses the Tiny points in the records and extract root cause of the problem. Helps to sustain a complete error free environment. Search out mis-behavior patterns for Thunder Alerts.

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Automation

All your Thunder alerts can be easily automated for future auto corrective handling. Sudden Fire-fighting(service/application/operation Failures) at workplace is over now. Hawk handles those for you.
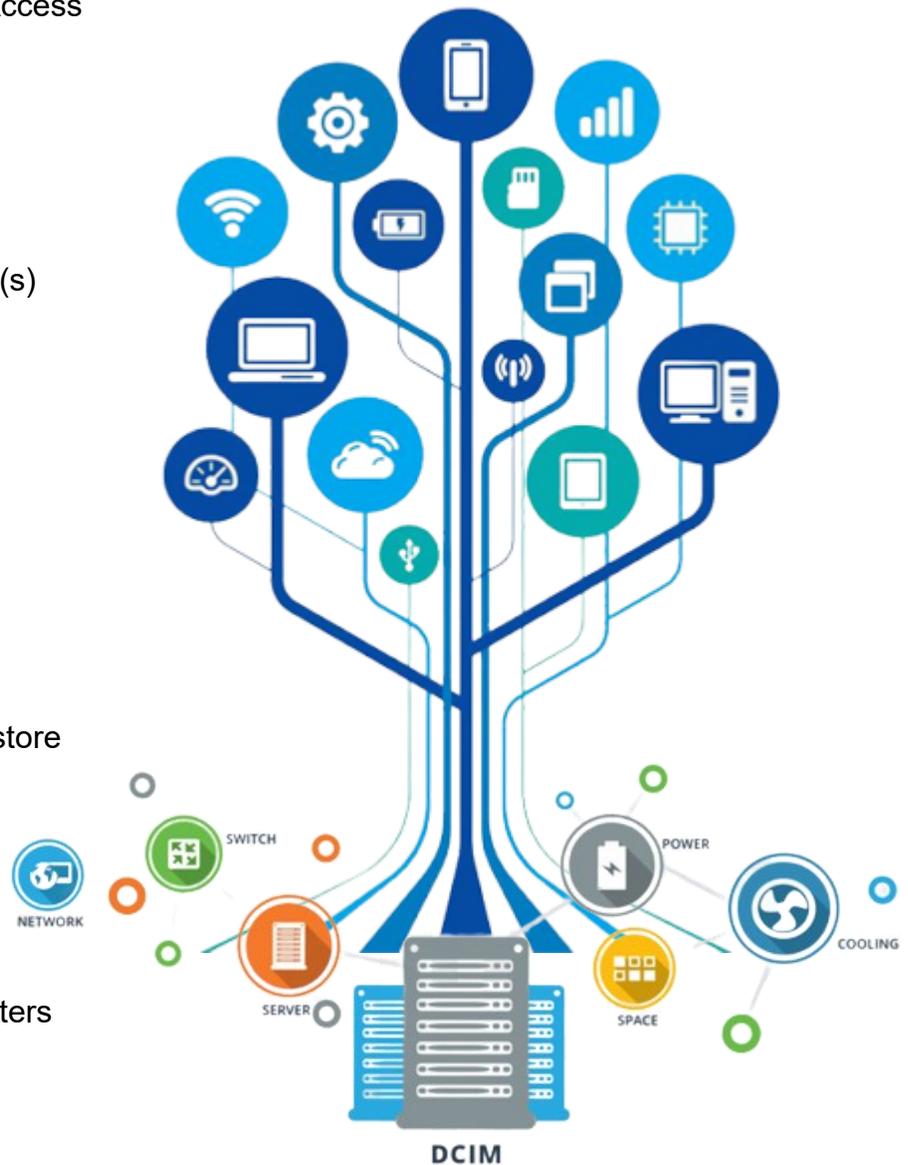
IIoT 4.0

Internet of Things is being adopted all around us. So, in the IT Infrastructure and services too! Yes, un-identified areas of IT infrastructure required attention to take Technology outside too for readily accessible anywhere anytime. An endless opportunity in limitless world. Smart Cities, IT infrastructure, Infrastructure, Transportation, Integrated Command and Control Center, Logistic, Banking, Education, Defence, and adding... Ready for IIoT 4.0.
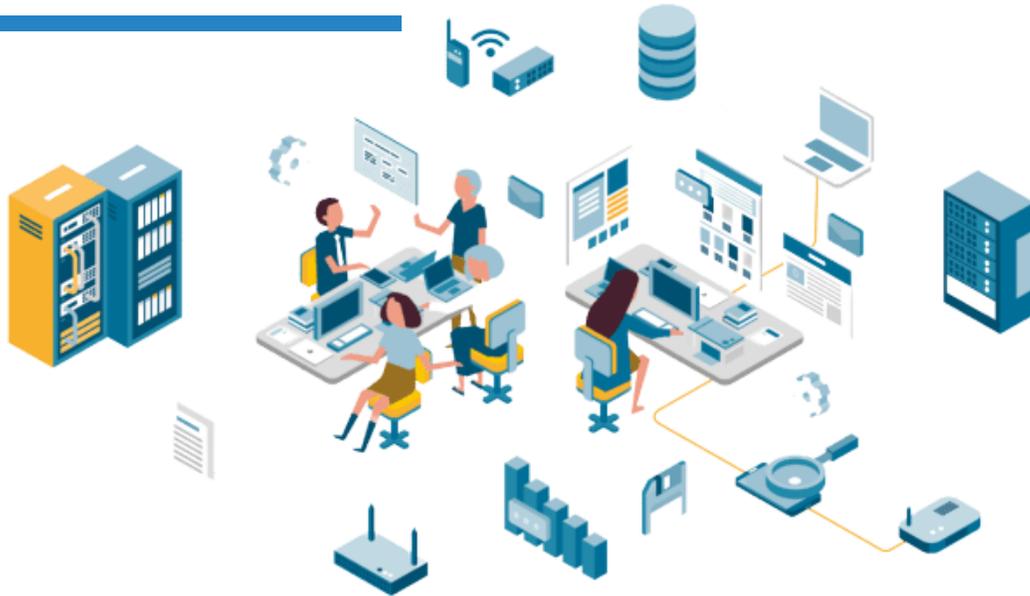
BuZZ(-ard) is our smart sensors running over internet. (*Additional Hardware Accessories).

Other ITSM Tools

➢ IMS Incident Management (SLA)

➢ U/IAPM Identity/User Access

  protection Management

➢ Group and Device's Direct Access

  Management

➢ LMS

➢ Patch Manager (Bulk Server(s)

  Patch)

➢ PUE

➢ Provisioning (Stacking and

  Replication)

➢ Data collection Backup / Restore

  Management

➢ Bulk Import and Export

➢ Quick Search, Test, Parameters

  and Review

➢ Personal Dashboard for favorite and

  critical device active monitoring

Reporting

- Custom Reports in CSV, PDF, YAML and JSON format.
- Audit Report (Custom Time Span)
- Recurring Report share over Mail config backup centrally
- Easy SMTP integration

NextG FCAPS

(Network Management Framework Compliant)

✓ Predictive Alert

✓ Auto Corrections

✓ Adheres FCAPS Standards (Fault, Configuration, Accounting, Performance and Security)

Prediction

AI & ML based pattern tracking and predict Thunder Alerts with Auto Correction

Change Mgmt

Who done what and when!!
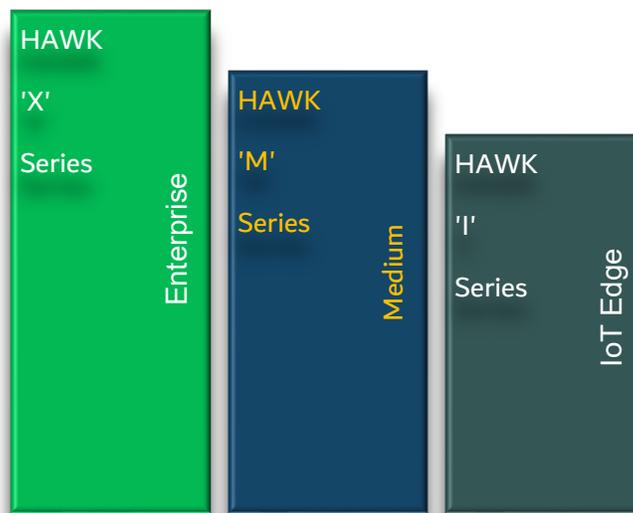Complete change management and usage record and report

Incident Mgmt (SLA)

Assign super quickly any incident amongst team and track SLA.

HAWK series

Series M & X

World's 1ˢᵗ Unified NMS IoT Plug N Play device. A new breed of NMS solutions.
A plug & play device to monitor and manage your Core IT Datacenter Infrastructure, Services and Security.

HAWK 'X' Series — Enterprise

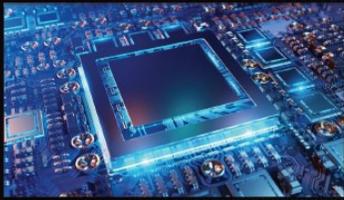HAWK 'M' Series — Medium

HAWK 'I' Series — IoT Edge

KEEP YOUR IT INFRASTRUCTURE MANAGEMENT EASY, RELIABLE AND ROBUST ALL THE TIME

IT Infrastructure and Data Center consists of all components that somehow play a vital role to manage overall IT and IT-enabled operations. From internal business operations to developing customer-oriented IT or business solutions. Monitor and Manage them like Tech-Pro. Unified Network Management System - One stop solution for IT infrastructure, Data Center, NOC, Integrated Command and Control Center, National Operation Center to De-centralized location and even Cloud too!! Unified NMS (NMS [Monitoring & Management], APM, Database, CCTV Surveillance, Web & CDN, DCIM, IMS, UAPM, EMS, PUE, Audit reports, personalized dashboard and many more.)

PRODUCTIVITY AND *PERFORMANCE*
(YoY, Cost effective)

NO Hectic License management for individual devices is a past now. Keep your business expansion on-going without any limitations

Easy **Stacking** and **Replication** commissioning for your business when scale-up. Suitable for all type of IT environment. No more compromise for in-premise, cloud, and distributed.

Hawk helps you to reduce Business IT management **cost** eventually and increase **productivity** in reverse proportion

Key Differentiators

Hardware

✓ Robust & Reliable
✓ High Performance Computing
✓ IoT Enabled
✓ Box based license (Not Individual)
✓ Multi-Node Stacking
✓ Replication (Disaster Recovery)
✓ BuZZ (EMS Sensor bug device)
✓ Dual-Power* and Dual-Network
✓ Plug'n'Play
✓ Monitor up to **2.5 Lacs** devices

Software

✓ Pre-Built deployed
✓ Hassle free secured web management
✓ Multi-core Hawk Engine (supports SNMP, API, Netconf, SSH, and many more..
✓ Alert & Incident Management
✓ Custom Thresholds
✓ LMS (License Management)
✓ Cable management & Tracing
✓ PUE Certificate
✓ APM, Database, Web Monitoring
✓ IP Cameras
✓ Custom filter Audit & Reports