ANOMNY Technologies Pvt. Ltd.	ANOMNY Data Centre Infrastructure Management (DCIM) — Product Datasheet AMY-SOF-DCIM-001	Anomny THE DATACENTER EXPERTS

ANOMNY

Data Centre Infrastructure Management

Unified · Intelligent · Secure · Always-On

IT + Non-IT Monitoring | 24×7 Operations

Make & Made In INDIA

ANOMNY DCIM provides DC administrators a hawk-eye view of all IT and Non-IT infrastructure — integrating BMS, ACS, FAS, CCTV, HVAC, UPS, and more — into a single, secured, AI-powered platform for 24×7 monitoring, predictive maintenance, and SLA-driven operations.

24×7	DCs	100+	AI/ML	SNMPv3
Always-On Monitoring	Real Time Monitoring	Integrated Systems	Predictive Maintenance	Secure Protocols

A General Features

Five D

◈ Universal Protocol Support

- MODBUS TCP / WEBAPI / REST / SOAP
- SNMPv1 & SNMPv3 for IT/Non-IT devices
- BACnet, OPC, Modbus for BMS/HVAC
- Open framework — no extra cost for integration

◈ Real-Time KPI Dashboard

- Power Capacity & PUE live display
- Space & Cooling Capacity monitoring
- Workflow & Change Management KPIs
- Asset Inventory across both data centres

◈ Security & Access

- SSL / SSH authentication; HTTPS/HTTP
- ISO 30111-conformant vulnerability handling
- Admin to View-Only RBAC user accounts
- Hardened software — no additional OS/DB/AV needed

◈ Floor Layout & Visualization

- Bird's-eye room layout with doors, aisles, containment
- AutoCAD DWG import; DWG/JPEG/PDF export
- 2D and 3D rack & floor view rendering
- Colour-coded status: faulty, maintenance, reserved

◈ Alerting & Notifications

- Alarm filters on monitoring dashboard

◈ Inventory & Asset Management

- Drag-and-drop product catalogue (IT & Non-IT)

© 2025 ANOMNY Technologies Pvt. Ltd. | www.anomny.com | All Rights Reserved

- SMTP email integration for alerts
- Custom escalation rules by severity
- Auto-scheduled report emailing

- Custom properties for assets
- Power path mapping: fuses, breakers, PDUs
- Periodic catalogue update with new devices

◈ Rack Space Management

- View Empty, Filled, Reserved & Internal racks
- U-space, Power & Weight availability per rack
- Color-coded plan and rack elevation views
- Space Efficiency ratio reporting

◈ Trend & Historical Analysis

- Graphical trending: day/week/month/year
- User-defined duration analysis
- Threshold breach history and root cause
- Alarm trends — daily/weekly/monthly/annual

B Power Capacity Planning

Power/Network Simulation

⚡ Capacity Calculation Engine

- OEM nameplate values for estimated IT loads
- Measured vs estimated loads at rack PDU level
- Per-phase load visibility within rack PDUs
- Guides users on available capacity headroom

⚡ Redundancy & Failover Planning

- Failover load impact on redundant power paths
- Capacity reservation from upstream to rack PDU
- UPS-to-rack power path mapping (Power Layout Map)
- AC and DC device inclusion in power path

C Cooling Capacity Planning

❄ Thermal & Sensor Integration

- PAC unit data integration for cooling analysis
- Rack-level temperature & humidity sensors
- Supply air temp, return air temp monitoring
- Airflow (CFM) estimation at perforated tile level

❄ Hotspot Detection & Heatmaps

- Colour-coded heatmap in bird's-eye rack view
- Cooling machine capacity at return air temperature
- Existing vs available cooling capacity display
- Chiller & CRAC/CRAH health on DCIM dashboard

E Predictive Analysis & What-If Simulation

□ What-If Analysis

- Hypothetical provisioning & modelling
- Best placement recommendation for new servers
- Decision support for capacity planning

□ Failure Simulation

- Simulate failure of any component
- Impact analysis on downstream IT equipment
- Complete vs redundancy-loss differentiation

□ AI/ML Maintenance

- Full-fledged maintenance charter via AI/ML
- Predictive alerts before equipment failure
- Root cause analysis for downtime events

© 2025 ANOMNY Technologies Pvt. Ltd. | www.anomny.com | All Rights Reserved

F Equipment Placement Automation

Built-in AI Decision Engine for Optimal Placement

Space Capacity	Cooling Capacity	Network Capacity	Power Capacity
Automatically recommends best rack U-position using all 4 parameters simultaneously. Avoids stranded capacity and optimises DC floor utilisation.			

G Workflow & Change Management

Work Order System

- Create, assign and track work orders
- Reserve rack space within work orders
- Reusable templates for recurring maintenance
- Historical audit trail of all changes

Change Approval & Audit

- Review, reject or approve change requests
- Email notifications at every state change
- Work order & change status reports
- Moves, Adds, Changes (MAC) tracking by date/owner

H Network Management

Visual Network Design

- Graphical network layout for racks & switches
- Port-level connectivity: servers, switches, patch panels
- Free vs occupied port overview
- Custom cable types configurable per DC

Network Audit & Routes

- Configure and save network routes between equipment
- All changes recorded in audit trail report
- Color-coded cable naming for easy management
- Network failure impact simulation

I Dashboard & Visualization

Sensor Data Display Formats

Alarm Summary	Line Graphs	Bar Charts	Scatter Plots	Sensor Dials	KPI Cards

© 2025 ANOMNY Technologies Pvt. Ltd. | www.anomny.com | All Rights Reserved

Dashboard Capabilities

- Fully customisable widget-based layout
- Drag-and-drop widgets anywhere on screen
- AD/LDAP integration for user management
- Log maintenance section built-in
- Default layout + per-user personalisation

Monitored Parameters

- Rack PDU, UPS, Cooling unit data
- Power, Temperature, Humidity, Current
- Active alarms with severity & ack messages
- Alarm trends: daily/weekly/monthly/annually
- Filterable by device type, DC hall, date range

J Report Engine

#	Report Name	Description	Data Scope	Format
1	**Contiguous Free U-Space**	Available contiguous rack space for new equipment placement	Rack / Room	**Table**
2	**Inventory Report**	Complete asset inventory across all DC locations	All Assets	**Table/CSV**
3	**Executive Power**	Total capacity, free capacity, measured peak, failover load	DC / Rack	**Summary**
4	**Executive Space**	Space usage: total, occupied, open, reserved (sq ft + rack count)	DC Floor	**Summary**
5	**Network Summary**	Network port usage per server/device; all network routes in DC	Network	**Table**
6	**Rack U-Space**	Available rack positions in specified racks	Per Rack	**Table**
7	**Device Communication Status**	Communication health for all monitored infrastructure devices	All Devices	**Status**
8	**Device Sensor Report**	User-selected device sensor status: daily/weekly/monthly	Per Device	**Trend**
9	**Audit Trail Report**	All actions — work orders, MAC changes, asset updates — logged	Full DC	**Timeline**
10	**PUE & KPI Report**	Power Usage Effectiveness and all operational KPIs	DC Level	**Chart/PDF**

© 2025 ANOMNY Technologies Pvt. Ltd. | www.anomny.com | All Rights Reserved

ANOMNY Technologies Pvt. Ltd.	ANOMNY Data Centre Infrastructure Management (DCIM) — Product Datasheet AMY-SOF-DCIM-001	

K BMS & Third-Party System Integration

☐ BMS Integration

- Tight integration with Building Management System
- BMS health status on DCIM dashboard
- ACS & CCTV health parameters visible
- Fire Alarm & Suppression system monitoring

☐ Helpdesk Integration

- Auto-incident generation from DCIM/BMS/ACS/CCTV alerts
- Integration with existing helpdesk tools
- Incident & request-based ticketing
- Manpower management extension available

☐ Additional Systems

- HVAC Monitoring System
- Fuel Monitoring System
- Water Leak Detection System
- Fire Aspirator & Suppression Systems

Integrated Systems Overview

BMS	ACS	FAS	CCTV	HVAC	UPS / PDU	Fuel Monitor	Water Leak

Get in Touch

ANOMNY Technologies Pvt. Ltd.

www.anomny.com

For DCIM demo, PoC and deployment enquiries:

info@anomny.com

Why ANOMNY DCIM?

- Single pane of glass for IT + Non-IT + BMS
- AI/ML predictive maintenance built-in
- Open protocol: no vendor lock-in
- CERT-IN compliant & cyber-hardened
- Made in India — R&D, support & delivery
- Free upgrades + no additional license costs

© 2025 ANOMNY Technologies Pvt. Ltd. | www.anomny.com | All Rights Reserved