ScaleUp InfraTech
Infrastructure Technology Solutions

ScaleUp Micro Data Center; enabling Data Sovereignty

S a v i n g s | R e l i a b i l i t y | I n t e l l i g e n c e

ScaleUp-MDC

Website: www.scaleupinfratech.com

- **Is cloud cost killing you?**

- **Are hyperscalers scaling up your bills?**

- **Unsure where your IT budget is really going?**

Cost Savings 40–60%

Uptime 99.95%

AI-Driven Reduce downtime by 70%

24/7 SOC & NOC Monitoring

Green and Sustainable Technology

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Introducing ScaleUp MDC

- Space Optimization
- Speed & Low Latency
- Enhanced Security
- Simplified Deployment
- Plug & Play Data Center
- On-Premises Infrastructure with Cloud Agility

Stop overpaying hyperscalers— start saving today.

Who Is It For?

- Government & PSU
- NBFCs & Banks
- Retail Chains
- Real Estate & Smart Cities
- Medical Clinics & Hospitals
- AI/ML Enterprises

Key Features of ScaleUp MDC

- Prefabricated One-in-All Rack
- Precision Cooling
- 6KVA UPS with Lithium Battery
- Fire Precision Systems
- Inbuilt DCIM – Monitor Everything at One Place
- 24/7 SOC & NOC Operations

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Technical Specifications

Rack & Mechanical Specs

- **Rack Sizes:** 12U – 45U (Customizable)
- **Material:** Powder coated Steel
- **Static Load:** 1000 Kg
- **Dimensions:** 800mm (W) × 1200mm (D)
- **Ingress Protection:** IP54
- **Doors:** Front: Glass
- **Side Panels:** Secured & Integrated

Monitoring System

- **Rack level:** Environmental, Security & Safety monitoring with alarm system & auto alerts (SMS, Email & SNMP)
- **Sensors:** Temperature, Humidity, Smoke, Water Leak
- **Door Sensors:** Magnetic door sensor
- **Access Control:** RFID / Biometric / Access Card
- **Smoke Detection:** Photoelectric Smoke Sensor
- **Temperature & Humidity:** 0°C to 100°C / 0% to 100% RH
- **Water Leak:** Rope type water leak detection sensor
- **System Log:** Event logging system
- **Power Supply:** Redundant power supply

Security Features

- **Access Control:** Biometric / Access Card / PIN
- **Emergency Access:** Door Bypass option under critical temperature rise
- **Dual Authentication:** Biometric and Access Card
- **Multi-layer Security:** Dual Authentication and Access Logs

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Power & Connectivity

- **UPS:** Rack-based UPS with 15-minute battery backup
- **PDU:** Rack-based PDU (32A, Single/Three Phase, Remote monitoring, Socket-level monitoring, Surge protection, Load balancing)

Fire Safety System (GRLS)

- **Temperature & Humidity:** 0°C to 100°C / 0% to 100% RH
- **Smoke Detector:** Photoelectric Smoke Detector
- **Suppression Agent:** NOVEC 1230 / FK 5-1-12
- **Discharge Type:** Direct / Indirect
- **Cylinder Size:** 2L / 4L / 6L / 9L
- **Detection System:** Double Knock Detection System
- **Control Panel:** Microprocessor based control panel
- **Power Supply:** 230V AC, 50Hz
- Compliance: UL, LPCB, CE, RoHS

Cooling System – Integrated 2TR Unit

- **Cooling Capacity:** 2TR
- **Cooling Type:** Precision cooling
- **Refrigerant:** Eco-friendly refrigerant
- **Temperature Range:** 18°C to 27°C
- **Humidity Control:** 40% - 55%
- **Airflow:** Front to back airflow
- **Compressor:** Hermetically sealed scroll type
- **Power Supply:** 230V AC, 50Hz