

Curated to Exceed Every Standard IN MICRO DATA CENTRE

EFFICIENCY MEETS COMPACTNESS

SKYNXT comes in flexible single or dual rack formats, providing 28U of practical, usable space.

SMART IT INFRA MANAGEMENT

SKYNXT is preloaded with user-friendly software for effective remote data centre infrastructure management.

PLUG IN - POWER UP GO!

SKYNXT's smart rack is a plug in and power up solution that accelerates deployment, driving down both costs and timelines.

RELIABLE, HIGH-PERFORMANCE INSULATION

SKYNXT smart rack is built with insulation materials of superior quality, allowing sufficient heat to escape and preventing an excess of it from entering.

BUILT TO SCALE, DESIGNED TO ADAPT

SKYNXT is both scalable and customizable, bringing you a solution that fits your need and budget like a glove.

COMPREHENSIVE THREAT PROTECTION

SKYNXT offers comprehensive protection from heat, environmental hazards, fire, theft, and power interruptions, safeguarding your data at all times.

ROBUST BUILD QUALITY

SKYNXT is built to withstand heavy physical server loads and still maintain its quality, offering you long-lasting reliability.

OPTIONAL RODENT REPELLENT

Many offices also have the problem of rodents chewing at cables and making servers inoperable and unreliable. In such areas, the optional rodent repellent is greatly beneficial.

HIGH-QUALITY STEEL AND POWDER-COATING

SKYNXT is built with a high-quality steel finish and powder-coating, providing you an unrivalled standard of endurance and durability.

INSTANT ALERTS

On any alarms going off, SKYNXT is configured with RMU or DCIM to send out email and SMS alerts to pre-stored contacts for immediate response.

FEATURES

THE SMARTER WAY TO RACK

- 42U IT Enclosure with rack baying for 2 or more racks
- Usable space of a minimum of 28U
- Load bearing capacity of up to 1400 kg
- Screw mount side panels
- LH & RH Swappable doors
- 5-fold welded CRCA Steel frame
- Enclosure rated to IP54
- Compliance to EIA 310 Standards
- Increased corrosion resistance
- Electronic locking system
- Accessories include trays and blanking panels

RMU/DCIM

- Software for web-based real time monitoring of IT infrastructure
- 1U Rack mountable hardware
- Event logs and performance monitoring
- Alarm management
- Integration with rack cooling, power and sensors
- Email and SMS Alert management
- Scalable solution

POWER YOU CAN COUNT ON

- Rack mount UPS, 3-11kVA load rating with LED display
- Typical battery backup up to 15 minutes
- 0.9 Power Factor
- Rack-mountable VRLA Batteries
- Lead acid batteries optional
- Optional redundancy

POWER DISTRIBUTION UNIT

- 32A, two x 16A, with MCB, LCD display
- 3m power cord with industrial plug
- IEC Socket: 24 outlets: C13 20, C19 4
- Basic PDU or IP-based PDU with surge protection
- Socket level monitoring
- 2 to 4 vertical PDUs per rack
- Customizable as per requirement

AUTOMATIC FIRE DETECTION & CONTROL

- Rack-based 1U unit
- Cylinder type unit mount outside of rack with tubing
- Novec 1230 suppressant
- VESDA option
- Backup power for 1U fire suppression & detection unit

INTEGRATED ENVIRONMENTAL SENSING SYSTEM

- Temperature and humidity
- Smoke detection
- Air flow
- Water leak detection
- Automatic door control
- Vandalism Sensor
- Rodent Sensor

CLOSED LOOP RACK PRECISION AIR CONDITIONING

- Rack mount AC, 3.5-10kW capacity and least U space
- Use of environment-friendly refrigerant
- Highly efficient split type, bottom mount AC
- Uniform bottom to top throw air cooling
- Option of with or without redundancy
- Scroll type compressor

ACCESS CONTROL

- Electronic locking system with RFID/Biometric/Swipe card options for front and rear door
- Access logs entry provided on integration with DCIM or RMU
- Alarm for unauthorized access
- Automatic rear door opening systems
- SMS and Email alerts

SURVEILLANCE

- P-based dome/bullet camera
- 1TB storage
- NVR also available

SKYNEXTTECH

EDGE MICRO DATA CENTRE



Rack | Cooling | UPS | Fire Suppression | Power Distribution | Environment Sensors | DCIM | Access Control

A reliable and efficient smart rack, equipped with advanced features to ensure the safety and security of your data.

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In the 21st century, business is powered by constantly evolving IT solutions. Data management has grown more complex than ever, and virtually no organization can operate without a solid IT backbone.

Today, software, data, and computing power form the core of every modern enterprise whether large or small. With the rapid rise of IoT and the exponential growth of connected devices via the cloud, the demand for near 100% uptime of IT infrastructure has never been more critical.

And yet, many organizations especially small and mid-sized enterprises invest little in protecting the very servers and hardware that store their critical software and data.

The reasons are understandable: threats are diverse and constantly evolving, while protection solutions are often complex, fragmented, and costly.

For SMEs, dedicating a significant portion of their IT budget to security infrastructure can feel out of reach. As a result, they often accept the perceived "low risk" of data loss rather than commit to expensive preventive measures.

Enter the SKYNXTECH Micro Data Centre.



About SKYNXT

SKYNXT TECHNOLOGIES PVT LTD. delivers innovative, cost-effective luminary solutions with cutting-edge technology and lightning-fast, customer-focused service for enterprises across domestic and international markets.

13+

years of experience

800

Tons of processing

100+

customers

PRESTIGIOUS CLIENTS

AIRTEL | DLF | BHARAT ELECTRONICS | SERVOTEC | STL | HAYAT COMMUNICATIONS | SVARN | SUN MOBILITY

SKYNXT TECHNOLOGIES

Micro Data Centre

Powering the Edge with Confidence – SKYNXT Smart Micro Data Centers.

At Skynxt Technologies Private Limited, we deliver cutting-edge IT protection through compact, secure, and cost-effective smart micro data centers, purpose-built for Edge environments. Designed with simplicity, speed, and safety in mind, SKYNXT solutions offer enterprise-grade protection without the complexity or cost.

With SKYNXT, you get more than just a rack, you get a fully integrated infrastructure solution that combines:

- Redundancy for high availability
- Data management for seamless control
- Scalability to grow with your business
- Built-in precision cooling
- Uninterrupted power supply (UPS)
- Advanced security and remote monitoring

All of this is packed into a space-saving design that still delivers a minimum of 28U usable space for your 19" servers, routers, and switches.

SKYNXT's smart software platform allows you to easily manage redundant IP-based cooling and power systems, while the integrated DCIM (Data Center Infrastructure Management) provides real-time insights and remote control—ensuring your data stays protected and your operations stay online.

Thanks to its fully self-contained architecture, SKYNXT eliminates the need for raised floors, false ceilings, or external cabling and cooling systems. The result? Faster deployment, minimal resource usage, and maximum efficiency all in a sleek, compact footprint.

SKYNXT ensures comprehensive protection with rack-based fire detection and suppression systems, utilizing eco-friendly fire suppressants for safe and effective response. For enhanced fire safety, support for VESDA is also available.

Security is further reinforced with rack-level surveillance and video storage via NVR, providing continuous monitoring and secure recording.

To maintain optimal operating conditions, environmental sensors are strategically placed throughout the Micro Data Centre. These sensors deliver real-time monitoring of temperature, humidity, and other critical parameters—ensuring your infrastructure operates within safe thresholds at all times.



Our Core Competencies



Fast to deploy. Easy to install. Zero need for raised floors or false ceilings.



Connect and protect your valuable assets and infrastructure with minimal hassle



Stay protected with optional redundancy ensuring your cooling and power systems never miss a beat.



Stay in control with connectivity to data centre infrastructure management solutions



Enhance efficiency with maximum usable space for mounting rack-based equipment



Ensure fire safety with rack-based fire detection and suppression systems, eco-friendly suppressants



Protect against breaches with the option of rack-based surveillance and storage over NVR



Manage and monitor performance with real-time insights through environment sensors



Save value and time with easy maintenance and low cost of ownership



Do your bit for the environment with carbon footprint

The Fearsome Fivesome

Five major threats are biting at the heels of your costly data every day. And SKYNXT protects your business against all of them.



Threat #1: Heat

The temperature around your servers is constantly regulated

Servers are most susceptible to data corruption due to the sheer heat generated by the hardware. Ordinary comfort air-conditioning of the office is insufficient to remove the sensible heat generated by machines. That's why SKYNXT has a built-in 3.5kW to 10kW Precision Air Conditioner to remove sensible heat and keep ambient temperature around your servers under precise control. It is put through rigorous performance-testing before the rack is delivered, meeting ASHRAE's standards for cooling data centres.

Threat #2: Fire

Fire-detection and monitoring system ensures the safety of your servers

Establishments, especially in these days of costly real estate, are densely packed with 'heat generators' such as computers, servers, printers, and even pantries with heating devices, all of which draw heavily on power and can cause short-circuits and fires. SKYNXT comes with an inbuilt fire detection and suppression unit using environment-friendly Novec 1230 suppressant (VESDA optional) to bring accidental fires quickly under control.



Threat #3: Theft and vandalism

You maintain a tight access control system to ensure data protection

Industrial espionage is on the rise, and data is a costly commodity in the market these days. To protect your precious data, SKYNXT incorporates biometric/RFID-based access control systems with a card reader and numeric keyboard, as well as an NVR-based dome/bullet camera with a HDD of 1TB space.

Threat #4: Environment

You control an advanced system to monitor the environment

Excessive humidity, water seepage, dust, corrosive gases, and heat, are all enemies of data. That is why it is important to be aware of the environmental condition of your server. SKYNXT comes with advanced sensors that monitor the environment both inside and outside the unit, and raise alarms when critical levels are breached.



Threat #5: Power glitches

Your servers are equipped with an uninterrupted power supply Servers lose data most during power fluctuations and outages, especially if they occur while data is being written into or read from the hard drives. That is why SKYNXT has an in-built rack mountable 3kVA to 10kVA UPS with a typical backup of 10 to 15 minutes, giving you adequate time to either switch to other sources of power or shut down servers if the grid fails for longer.