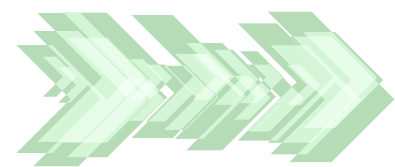The explosion of cloud, IoT gold rush and ever-expanding internet-based content has given birth to the need for EDGE computing. This leads the service providers shift the content closer to the users which will in return provide support to the data that demands a significant amount of bandwidth, quick response and improved latency.

The EDGE Data Center is not defined quantitative measurement of facility's size or hardware infrastructure, but its proximity to the end-user or closer to the source of data to be processed. The coverage of these markets which are termed as "Tier II" by the industry segmentation, requires infrastructure to be deployed by various service providers to cater the segment.

"EDGE" Applications

Edge Data Center Key Components

- Redundancy
- Security
- Availability
- Environmental Consideration
- Remote Monitoring
- Rapid Deployment
- Automation
- Site Selection
- Reliability
- Growth Strategy

Vericom® Micro Data Center Solution

- N, N+1 & 2N Configuration
- Scalable Architecture
- Physical Security
- Remote Monitoring
- Power, Cooling and Power Distribution
- Environmental Monitoring
- Fire Detection & Suppression
- Energy Efficient
- Quick Deployment
- Reliable Technology

VERICOM®

Vericom Global Solutions
10025 Investment Drive, Suite 120
Knoxville,TN 37932, USA
T: (865) 671-4455
E : sales@vericomsolutions.com

All Other International Inquires
E : international@vericomsolutions.com

BICSI CORPORATE MEMBER ISO CE

VERICOM®
The Future Of Technology - Today.

Vericom Micro Data Center
All-in-one Solution for Your IT Infrastructure

- High Efficiency
- Energy Saving
- High Reliability
- Elegant Appearance

Information technology and telecommunication infrastructure has seen a tremendous and competitive growth over the years. The need for energy efficiency, effective cost, quick deployment, and scalability have led the ICT industry to go through a complex life cycle from selection, operation, maintenance and pace of the technologies. To keep up with the digitalization, organizations must adopt a smarter and strategic approach to not only meet their requirements, but to envision the growth and technology.

Vericom Global Solutions, is a leading provider of network connectivity and data center infrastructure solutions for a variety of industries. With global headquarters in Knoxville, TN, we deliver a comprehensive product portfolio designed to meet our customers' network infrastructure needs in an increasingly connected world through our global network of distributors and integrators.

The VERICOM Micro Data Center Solution, featuring "All-in-one "design, is a highly integrated, quick- to-deploy, plug and play, intelligently managed, scalable, fully customizable, convenient and efficient solution, that perfectly integrates UPS and power supply/distribution subsystem, cooling subsystem, intelligent management and security subsystem, and optional pre-terminated cabling subsystem.

Available in one single cabinet to max. ten cabinets, VERICOM Micro Data Center Solution is prefabricated and self-contained with all the necessary components of a conventional data center, and can be installed in any space of existing IT room, or a non-controlled environment like an office and warehouse to meet the requirements of different industries.

Ideally Suited For:

- "Edge" Data Centers
- Manufacturing Facilities
- Disaster Recovery Sites
- Mobile Computing
- Temporary Deployments
- Oil and Gas Explorations
- Military Application
- Sporting Events Coverage and Filming Productions
- Retail and Healthcare
- Education
- Banking
- Telecommunication

Highly Integrated & Space Saving

The micro data center integrates UPS, power distribution, cooling and monitoring to provide a comprehensive solution.

Energy Efficient Aisle Containment

Fully enclosed design with effective isolation of hot and cold air. Quiet operation with a suitable deployment in a populated or isolated room of an office building. Built-in high-efficiency high-frequency UPS and rack-mounted precision air-conditioner, achieved through a variety of green energy technologies.

Monitoring & Unattended Operation

Local display with web Intelligent O&M capability via mobile devices for real-time monitoring of operating parameters.

Quick Delivery and Fast Deployment

One stop solution for quick delivery and fast deployment of infrastructure.

Flexible Expansion & Rapid Upgrade

The smart micro data center adopts a modular design for rapid configuration rapid and flexible expansion.

Labels on graphic: Low Noise · High Reliability · Energy Saving · Easy Expansion · More Intelligent · One-stop Service

---

42U Rack
Equipped with thermal insulation, brush grommets on cable opening and blanking panels.

Monitoring System
10" Touch Panel LCD display on MDC rack with remote monitoring of all parameters via web access and mobile devices. Real time monitoring for temperature/humidity, water leakage, smoke and door status.

Security System
Integrated Access Control System to ensure safe operation and control. Multi-User access and authorization for rack door with keyless entry.

Power Distribution Box
Power Distribution Box (PDB) with surge protection device, utility power supply input for UPS, Air-Conditioner, and UPS Bypass, rack PDU.

UPS System
UPS system to provide clean and backup power for equipment with rack-mounted battery pack or external battery cabinet.

Visual Excellence
Intelligent LED system with color changing mechanism based on internal temperature.
- Green = Set point Temperature
- Blue < Set point Temperature
- Red > Set point Temperature

Air Conditioning System
Rack mounted Air-Conditioning system with efficient cold air delivery to equipment and easy maintenance.

Rack PDU (Rear)
Rack PDU Strip for connecting UPS output power supply for installed equipment.

	Single Cabinet/Mesh Door	Single Cabinet/Glass Door	Double Cabinets/Glass Door
Cabinet			
Cabinet Size (WxDxH)	600x1200x2000 mm	600x1200x2000 mm	2*600x1200x2000 mm
Number of Cabinets	1	1	2
Blanking Panels	Yes	Yes	Yes
Door Type	Front Mesh Door and Rear Metal Door	Front Tempered Glass Door and Rear Metal Door	
Footprint	0.72 m²	0.72 m²	1.44 m²
Useable Rack Space (U)	32U	23U	65U
Power			
System Input Power	Single-phase, 110/120/220/230/240VAC 50Hz or 60 Hz		
Lightning Protection / Surge Suppression	Level 3, 20 kA	Level 3, 20 kA	Level 3, 20 kA
UPS Capacity	3 kVA	6 kVA	6 kVA
UPS Backup Time	10-15 Mins @ 2.4 kVA Load	10-15 Mins @ 4.8 kVA Load	10-15 Mins @ 4.8 kVA Load
Battery Monitoring	N/A	N/A	N/A
UPS Redundancy	N	N	N
UPS Output P.F	0.9	0.9	0.9
Rack PDU	2*Basic PDU 16A (12 x C13 + 4 x C19)	2*Basic PDU 16A (12 x C13 + 4 x C19)	4*Basic PDU 16A (12 x C13 + 4 x C19)
Cooling			
Cooling Capacity	N/A	4.2 kW	4.2 kW
Cooling Type	N/A	DX	DX
Refrigerant	N/A	R410A	R410A
Cooling Redundancy	N/A	N	N
Compressor Type	N/A	Inverter	Inverter
Condenser	N/A	Split	Split
Monitoring			
Temperature/ Humidity	Yes	Yes	Yes
Smoke Sensor	Yes	Yes	Yes
Door Status	Yes	Yes	Yes
Water Leakage	N/A	Yes	Yes
Power Management	Yes	Yes	Yes
Cooling Management	N/A	Yes	Yes
Web Monitoring	Yes	Yes	Yes
Access Control	Yes	Yes	Yes
SMS Alerts	Yes	Yes	Yes
Others			
Fire Suppression System Novec1230™	N/A	Optional	Optional
Intelligent PDUs	Optional	Optional	Optional
Intelligent Front Door Access Control	N/A	Optional	Optional

	Three Cabinets/Glass Door	Four to Ten Cabinets/Glass Door
Cabinet		
Cabinet Size (WxDxH)	3*600x1200x2000 mm	N*600x1200x2000 mm
Number of Cabinets	3	Multiple(4~10)
Blanking Panels	Yes	Yes
Door Type	Front Tempered Glass Door and Rear Metal Door	Front Tempered Glass Door and Rear Metal Door
Footprint	2.16 m²	Variable
Useable Rack Space (U)	99U	Customizable
Power		
System Input Power	Single-phase, 110/120/220/230/240VAC 50Hz or 60 Hz	
Lightning Protection / Surge Suppression	Level 3, 20 kA	Customizable
UPS Capacity	10 kVA	Customizable
UPS Backup Time	10-15 Mins @ 8 kVA Load	Customizable
Battery Monitoring	N/A	Available
UPS Redundancy	2N	Customizable
UPS Output P.F	0.9	0.9
Rack PDU	6 * Basic PDU 16A (12 x C13 + x 4 x C19)	Customizable
Cooling		
Cooling Capacity	2 * 4.2 kW	Customizable
Cooling Type	DX	DX
Refrigerant	R410A	R410A
Cooling Redundancy	N	Customizable
Compressor Type	Inverter	Inverter
Condenser	Split	Split
Monitoring		
Temperature/ Humidity	Yes	Yes
Smoke Sensor	Yes	Yes
Door Status	Yes	Yes
Water Leakage	Yes	Yes
Power Management	Yes	Yes
Cooling Management	Yes	Yes
Web Monitoring	Yes	Yes
Access Control	Yes	Yes
SMS Alerts	Yes	Yes
Others		
Fire Suppression System Novec1230™	Optional	Optional
Intelligent PDUs	Optional	Optional
Intelligent Front Door Access Control	Optional	Optional