# Eaton iCube 2.0

The Eaton iCube 2.0 is a new generation micro data centre that seamlessly integrates the physical infrastructure of the computer room and the data center to provide an efficient and green integrated solution. The computer room power supply, power distribution, thermal energy management, environmental monitoring, system connection, remote and distributed management are built into one system – Eaton Micro Data Centre iCube 2.0. This results in providing an integrated solution that is highly reliable as well as scalable, consumes a low amount of energy, and is easy to maintain. An ideal solution to address the key challenges and common pain points in edge deployments that arise due to space constraints and the time-consuming requirement to design the infrastructure from scratch.



## Time saving

- Standardised configuration with various selections tailored to your needs
- Pre-configuration saves more than 65% time on on-site installation compared to conventional solutions
- Centralised monitoring system with a single interface to easily manage your infrastructure
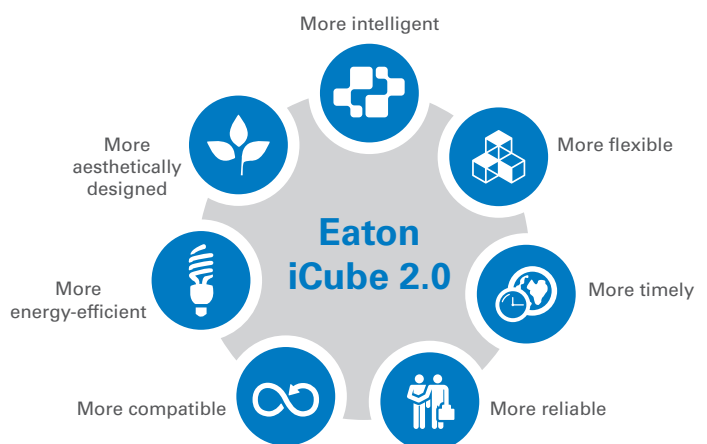
## Cost effective

- Prefabrication and modular construction saves on-site installation cost
- In-rack cooling system eliminates the need for room-level cooling system and cooling loss thus reducing total infrastructure cost
- Saves electricity bills with PUE as low as 1.34*
- Unified system saves communication cost

## High reliability

- Fully enclosed hot and cold aisles, dust and noise reduction
- Smart door system for temperature control and emergency heat dissipation
- Rack enclosure is earthquake-resistant
- Supports low-load dehumidification which greatly reduces the risk of condensation in the cabinet
- Modular in design, allows for rack-mounted installation and easier expansion
- Complies with industry standard/ certification to ensure a safe and reliable system
- Supports multiple configurations of single rack, N+1 redundancy, 2N redundancy

**Key industries/ applications:**

- Finance, insurance, securities (for branches and business nodes requirements)
- Government, educational and medical systems requiring digital transformation
- Transport, shipping, commercial retail (computer rooms and branch nodes)
- Computer rooms of large-sized enterprise branches and small and medium-sized enterprises
- Telecommunications
- 5G computer rooms
- Edge computing



More intelligent
More flexible
More aesthetically designed
More timely
More energy-efficient
**Eaton iCube 2.0**
More reliable
More compatible

# Eaton iCube 2.0

Eaton Micro Data Centre iCube 2.0 offers single rack configuration and multi-rack configuration

- Single Rack without A/C
- Single Rack with A/C
- Multi-Rack (10K-40K, 2-7 rack)

## TECHNICAL SPECIFICATIONS

|  | Single Rack |
| --- | --- |
| Model | iCube 2.0 SR |
| Basic model without A/C, HMI | Yes |
| Standard model with A/C, HMI, airflow containment | Yes |
| Integrated A/C without outdoor unit | Yes |
| A/C capacity | 2kW/4.2kW |
| A/C indoor and outdoor unit drop | -5M/+20M |
| Emergency heat dissipation | Standard: Intelligent automatic door opening |
| UPS option | 3kVA/6kVA/10kVA |
| Rack door | Vent door/ Tempered glass door |
| Rack width (footprint) | 600 / 800mm |
| Rack static load | 1860kg |
| Anti-Seismic | Class 8 |
| System installation time | <1h |
| HMI | 10.1 inch |
| Environmental monitoring | Temperature and humidity, smoke, water sensor, access control |
| Fire fighting linkage | Yes (optional) |
| APP support | Yes (optional) |
| Multi-point centralised management | Yes (optional) |
| Web | Yes |
| SMS | Yes (optional) |

|  | Multi-Rack |
| --- | --- |
| Model | iCube 2.0 MR |
| PUE | 1.34* |
| System protection level | IP50 |
| Airflow containment | Cold & hot |
| IT rack quantity | Standard 2-7 racks,  8-10 racks require customization |
| Rack static load | 1860kg |
| Anti-Seismic | Class 8 |
| System installation time | <1D |
| A/C capacity | 8.1kW, support N+X |
| A/C indoor and outdoor unit drop | -5M/+20M |
| A/C installation tpye | Rack mounted |
| Emergency heat dissipation | Standard: Intelligent automatic door opening |
| UPS option | 10kVA/15kVA/20kVA |
| UPS application | N/N+1/2N |
| HMI | 10.1 inch |
| Environmental monitoring | Temperature and humidity, smoke, water sensor, access control |
| Fire fighting linkage | Yes (optional) |
| APP support | Yes (optional) |
| Multi-point centralised management | Yes (optional) |
| Web | Yes |
| SMS | Yes (optional) |

*Annual calculated PUE based on Beijing climate conditions.

Due to continuous product improvements, specifications are subject to change without notice.

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