

iDCmini Edge-16

All-in-one datacenter

iDCmini Edge-16 is our latest version of the iDCmini Family. This cost-effective all-in-one datacenter solution integrates all the necessary systems including a UPS, fire suppression and a monitoring & control system in a single lockable rack together with hybrid side mounted cooling system offering a much greener, highly reliable and a more energy saving solution.

The cooling capacity of iDCmini Edge-16 is 1.8kW. It is also a perfect solution for hosting low-density cabling nodes, switches and servers especially for network closet or branch office.



Energy Efficiency

Up to 75% energy saving due to the speed-regulated components and Heat Pipe Technology; Save cost and the environment

Greener

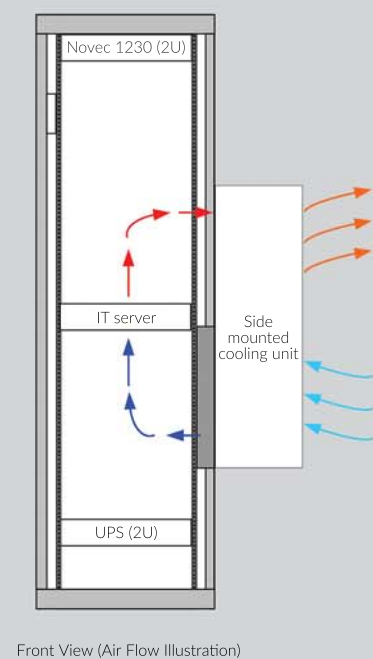
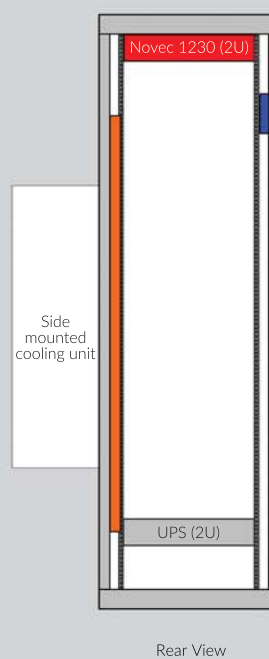
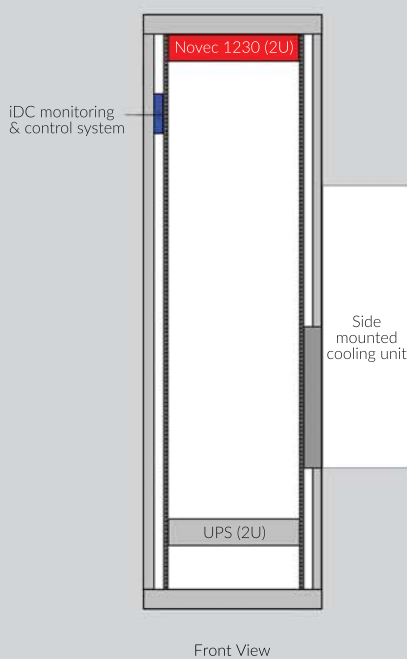
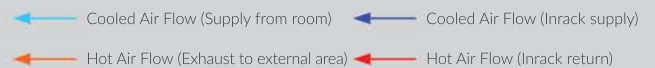
Eliminate temperature fluctuation and offer a stable temperature control and hence, enjoy a lower PUE benefit, as low as 1.3*; highly reusable and relocatable features

Fast Deployment

Extremely easy to set up and use, onsite installation might take as fast as 1 day

*PUE rating can be varied based on the operation and environment condition

Diagram



Think it.
Plan it.
Own it.

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Major Components



Rack

Nano-coating
Waterproof and dustproof
Glass front and metal rear doors



Cooling unit

DX type design
Environmentally friendly coolant R134a
1.8kW cooling capacity
Able to operate within -20°C to 60°C room temperature
No outdoor unit and chilled water pipe are needed
No fresh water and condensate drainpipe are needed
Equipped with inverter for speed control
Heat Pipe Technology



Fire suppression

2U
Gas types: FM200/Novac 1230
Support up to 2 racks per module
Dual smoke detectors only alarm when both detectors are triggered



UPS

3kVA, 2U
Support both IT equipment and cooling system
Hot-swap feature with an external UPS bypass



Monitoring & control system

0U
Alerts by SNMP, email, voice call and SMS
Support 4 Intelligent Sensors, up to 20 dry contact inputs



Power distribution unit

Measure and monitor IT equipment loading



Smart Dashboard

Display key data:
Supply air temperature, PUE and IT equipment loading, etc.

Technical Specification

| | | | |
|-----------------------------|--------------------------|---|------------------|
| Mounting capacity | 42U | UPS | 3kVA |
| Size (WxDxH) mm | 600/800 x 1100 x 2000 | Power distribution unit | iPDU |
| Rack type | Floor stand/Castor | Fire suppression agent | Novac 1230/FM200 |
| Protection | Waterproof and dustproof | Available capacity (fire module counted) | Up to 38U |
| Monitoring & control system | iDC Controller Basic | Suggested cabling with switch capacity (70% full) | 384 |
| Cooling unit | DX type | Maximum amount of server (2U) | 5 |
| Cooling capacity | 1.8kW# | VM (Virtual Server) capacity | 30 - 50 |

#At 35°C rack ambient temperature, 40°C IT equipment exhaust air temperature



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