

CAN-BREEZE Micro Data Center

CAN-BREEZE in rack cooling system is a direct-cooled server cabinet consisting from a lateral cooling device as an indoor unit and an AC outdoor unit. The cooling system provides energy-efficient cooling by latest inverter technology. The cooling capacity and so that the power consumption adapt to the actual costs incurred heat load.

The Side Cooling Rack has close loop system, thus, there is no air leakage between internal air and room air. The noise level is due to the extremely quiet internal side cooling unit is very low and is only about 49 dB(A). These values are below the usual noise in offices. The preparation and installation of the product is very simple.

The outdoor unit can be mounted to a facade wall, placed on a flat roof or on the ground. The Side Cooling Rack's cooling capacity is available in range between 3,2kW and 14 kW. The internal side cooling unit blows cold air into the front of the 19" mounted devices and collects the hot air from back. Blank (unused) units should be closed with 19 " blanking panels in order to prevent the cold air short-circuit. The internal side cooling unit has a condensate water pan. Condensed water is collected in the pan, and drained away by drainage hose (customer supplied).



Technical Features:

Material	Frame; Anodized aluminum extrusion profiles. Other parts : 1,2 and 2 mm steel
Color	RAL 7035 or RAL 9005
Compliance	RoHS, UL Certified
Maximum Static Load	Up to 2000 kg.
Finish	Doors, side panels, top and bottom covers: Electrostatic Powder Paint 19" mounting rails: Zinc-plated
Related Accessories	Cable Organizer, Blanking Panels, Cable Channels



Standard Configuration:

- Extruded Aluminum frame chassis up to 2000 kg
- IP Protection : IP54
- Tempered glass front door with swing handle multi-point lock
- Solid rear door with swing handle multi-point lock
- Special polyurethane gasketing on doors and panels to ensure IP protection
- Deflectors to guide cold air from the AC unit to the front of the rack
- Solid removable side panels
- Bottom sheet with adjustable IP protected cable entry
- 2 pairs of depth adjustable heavy duty 19" mounting rails
- 2 pairs of adjustable feet
- Color RAL7035 or RAL 9005
- RoHS compliant, UL certified



Order Information

Height U	Outer Width (W) mm	Outer Depth (D) mm	Outer Height (H) mm	19" Rails Adjustable Depth Range (c)	Weight kg	Cooling capacity kW	Part No
36U	800	1000	1767	129-829	151,5	8	CPJ-X-3680A-I8
36U	800	1200	1767	129-1029	165,5	8	CPJ-X-3682A-I8
42U	800	1000	2033	129-829	166,3	8	CPJ-X-4280A-I8
42U	800	1200	2033	129-1029	180,4	14	CPJ-X-4282A-I14
47U	800	1000	2255	129-829	181,7	8	CPJ-X-4780A-I8
47U	800	1200	2255	129-1029	196,3	14	CPJ-X-4782A-I14

* X : Color code = 7: RAL 7035 (Grey); 9: RAL 9005 (Black)

CAN-BREEZE Data Center Configurations

CAN-BREEZE-I



1 Cooling Unit / 1 Rack

CAN-BREEZE-II



2 Cooling Units / 1 rack (Redundant Application)

CAN-BREEZE-III



1 Cooling Unit / 2 Racks (Shared Application)

CAN-BREEZE-IV



2 Cooling Units / 2 Racks (Redundant or Shared Application)

Components of Micro Data Center

AC Unit (Air Condition Unit) for Micro Data Center

- 2KW - 4KW
- 115~480VAC, 50~60Hz
- A special door switch controls the compressor
- 20°C / 50°C External temperature range
- 20°C / 45°C Internal temperature settings
- Minimized maintenance with no filter design
- 50Kg(2KW) - 85Kg(4KW) weight

AC Unit (Air Condition Unit) for Micro Data Center CAN-BREEZE

- 8-14 kW cooling capacity
- 230 VAC, 50 Hz
- Automatically controlled between 3.2 to 8 and 8 to 14 kW by inverter technology for maximum energy efficiency
- -5°C / 46°C External temperature range
- Minimized maintenance with no filter design
- EER ratio is 3.16 for maximum energy efficiency

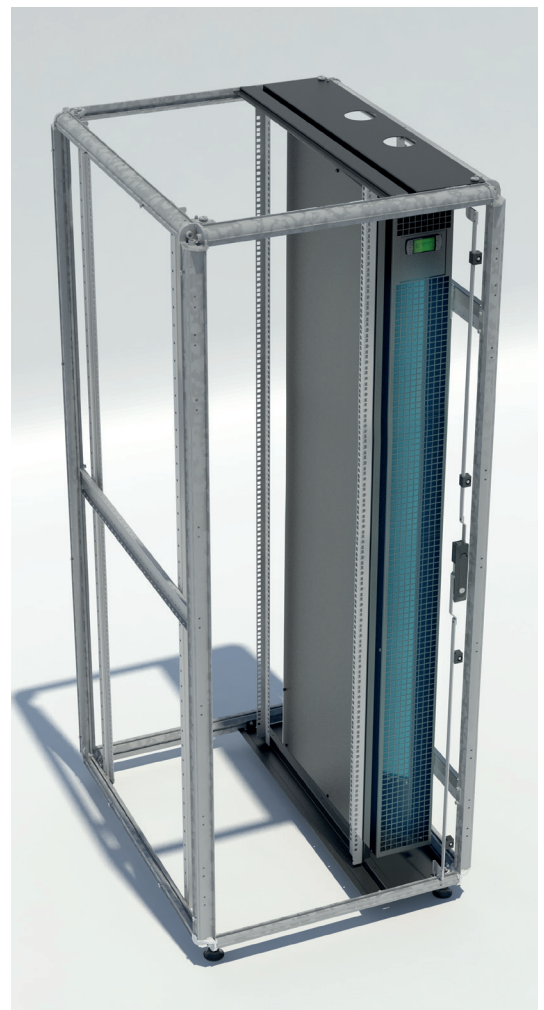


CERTIFIED



Indoor Unit

Outdoor DX Unit



Components of Micro Data Center

UPS (Uninterruptible Power Supply)

- 4U-5U 19" size
- 3-6-10 KVA Output Power
- High frequency and online double conversion technology
- 12V VRLA batteries for backup
- Three segment charging mode
- Cold start function
- LCD display
- Optional ethernet module for remote monitoring - management



Fire Suppression

- 2U 19" size
- FM200 - Novec1230 extinguishing gas
- Battery for up to 24H standby time fully functional
- Optional Ethernet module for remote monitoring
- 1.5 m³ (Including single tube) or 3.0 m³ (Including double tubes) versions available



Environmental Monitoring System

- Smoke
- Motion
- Water
- Gas and Chemical
- Air Flow
- Combo Temperature & Humidity
- Vibration
- Door Contact
- Dry Contact
- Air Pressure
- Air Quality
- Light Detection



Intelligent Access Control System

- Embedded Numeric Keypad
- Embedded RFID card reader
- Finger print reader
- Electronic swing handle with additional key for emergency
- Ethernet module for management - remote monitoring - user assignment



DCIM

Our Software recognizes cameras, probes, monitors, sensors, and access control hardware. It's instantly compatible with hundreds of third party cameras. Use the quick wizards to configure your preferences and parameters. Set your group policies for Administrators and Limited users and specify access control privileges for physical and logical resources via the Access Control section.

KVM (Keyboard Video Mouse)

- 1U size
- 17" or 19" TFT LCD screen
- 8/16 ports KVM switch
- On screen display
- Hot key function
- Hot plug function
- Daisy chain structure

