

iDC iPDU-MC Series



The iPDU-MC series rack iPDU is designed to suit the operational requirements of next-generation datacenters. iPDU-MC Series is a sustainable, upgradeable and maintainable iPDU system which can be re-configured or upgraded hot without affecting the operation of a datacenter.

iPDU-MC series iPDU are per-outlet metered and per-outlet switchable.



Sustainable

Provide different functions in different stages of business by using hot-swap function modules



Upgradeable

Hot-swap Management and Control module is upgradeable



Maintainable

Safe and reliable in-field maintenance without affecting power supply to IT equipment



Think it.
Plan it.
Own it.

Key Features

Hardware Features

- Hot-swap NMC (Network Management and Control) module and for easy upgrade and maintenance
- Available with IEC and UK outlets with self-designed locking system for IEC outlets
- 2.8" LCD screen displays the Current (Amps), Voltage (Volts), Power (kW), Energy Consumption (kWh) and Power Factor
- Independent power supply for the NMC module to ensure accessibility even the breaker tripped when overload occurs
- NMC module can be rotated 180 degrees allowing the iPDU to be mounted in any orientation
- Low-profile UL 489 certified hydraulic circuit breakers to prevent current overload in each branch circuit and keep iPDU running stable
- Daisy-chainable up to 1 master and 3 slave units
- Tool-less mounting to save valuable space in the cabinet

Remote Access

- Remote access via TCP/IP and built-in 10/100Base-T Ethernet port
- Support network communication protocols including TCP/IP, PPP, UDP, HTTP / HTTPS, TELNET, SSL, TFTP, SMTP, DHCP, SNMP, and DNS
- Support SNMP V1, V2 and V3
- Support Modbus RTU

Monitor

- Remotely monitor voltage / current / power / power factor / energy consumption at input circuit level
- Remotely monitor current / power / energy consumption at outlet level
- Remotely monitor circuit breaker on / off status (for models with CB only) and outlet status
- Rack environment monitoring via external connected T/H sensor
- Metering accuracy of +/-1%

Control and Configure

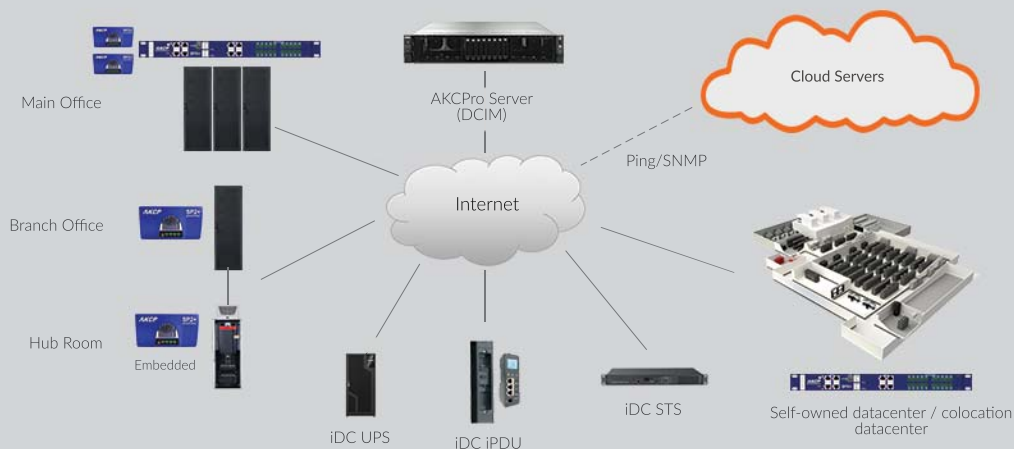
- Remotely control (switch on/ off / reboot) individual outlet
- User-defined sequential power on/ off delay
- Last known power on
- User-defined threshold settings of voltage / current / at input / circuit level
- User-defined threshold settings of voltage / current / at output level
- Support up to 5 user accounts with different administrative privileges

Mounting

- Rear button mounting

DCIM Ready

Managing iDC iPDU has never been more easier. Built-in template for monitoring real-time power consumption of iDC iPDU has been engineered into our DCIM System which makes integration with DCIM System within seconds!



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Technical Specification

Electrical

Input voltage	Refer to models table below for more detail
Input current	Refer to models table below for more detail
Input frequency	50/60Hz
Input plug	Refer to models table below for more detail
Output voltage	100-240 VAC \pm (1%+3 digit)
Output current	1P: 16A / 32A 3P: 32A per phase
Maximum output current (circuit breaker bank)	16A
Maximum output current (outlet)	IEC C13: 10A per outlet IEC C19: 16A per outlet
Overload protection (internal)	Refer to models table below for more detail
Outlet configurations	Refer to models table below for more detail

Physical

Dimensions (HxWxD)	Refer to models table below for more detail
Shipping dimensions (HxWxD)	2265 x 175 x 135 mm
Power cord length	Refer to models table below for more detail
Rack space	0U

Environmental

Temperature (Operating / Storage)	Operating: -10 to 60°C Storage: -20 to 70 °c
Humidity	5-95% RH/ 5-95%, Non-condensing

Compliance with standards

EMC verification	EN55022, EN61000, FCC Part 15 Class A, ICES
Safety verification	IEC/EN 60950, IEC/EN 62368
Environmental verification	ROHS 2.0

Models

Model	MC-16S-200400	MC-32S-200400	MC-32T-180600
Part number	iDCMZID-110-2004	iDCMZID-130-2004	iDCMZID-330-1806
Rack space	0U	0U	0U
Phase	Single Phase	Single Phase	Three Phase
Input voltage	100-240V	100-240V	200-415V
Derated AMP	16A	32A	3x 32A
Input plug	IEC60309 (16A 2P+E)	IEC60309 (32A 2P+E)	IEC60309 (32A 3P+N+E)
Input cord with length	3 x 2.5mm ² x 3m	3 x 6.0mm ² x 3m	5 x 6.0mm ² x 3m
Circuit overload protection	N/A	2 x 16A CB	6 x 16A CB
Outlet	20x IEC 60320 C13 + 4x IEC 60320 C19	20x IEC 60320 C13 + 4x IEC 60320 C19	18x IEC 60320 C13 + 6x IEC 60320 C19
Weight	9KG	9KG	9KG
Dimension (L*W*D) mm	1829*56*52	1829*56*52	1829*56 x*2

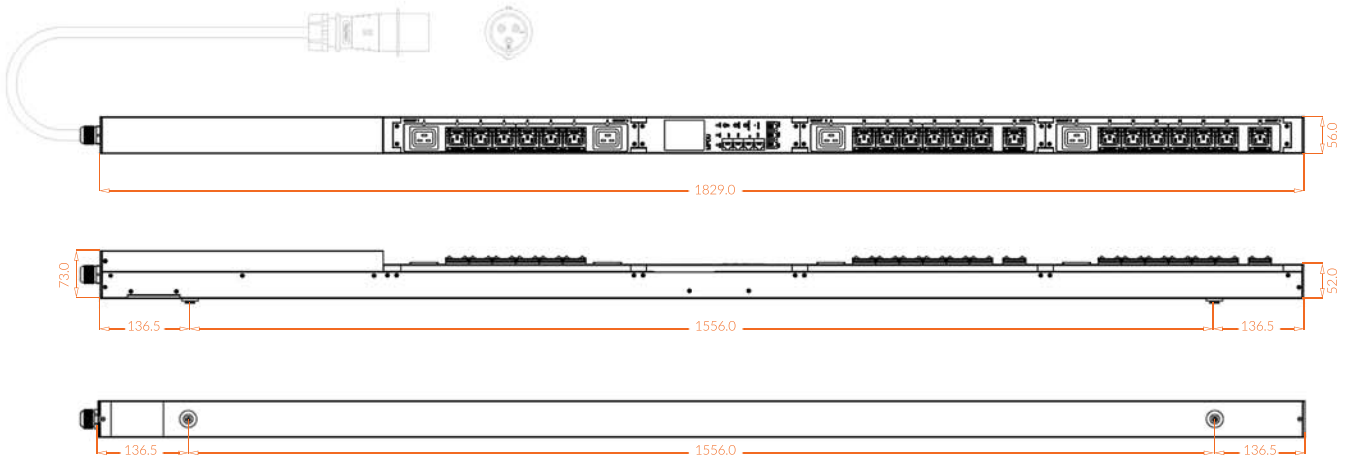
*The specification and pictures are subject to change without notice.
*Customization is available as requested.



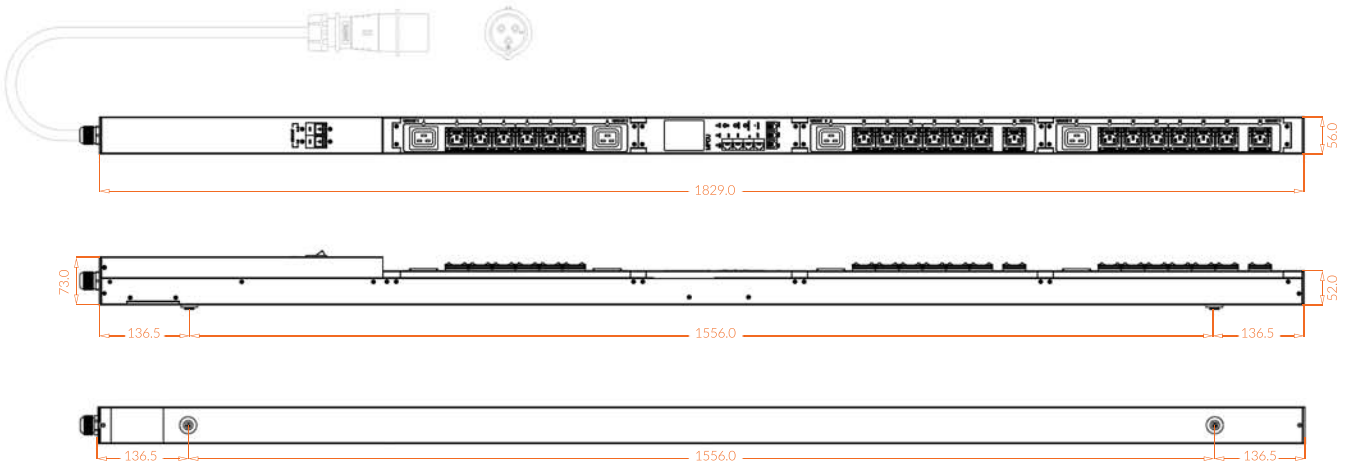
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Product Photos

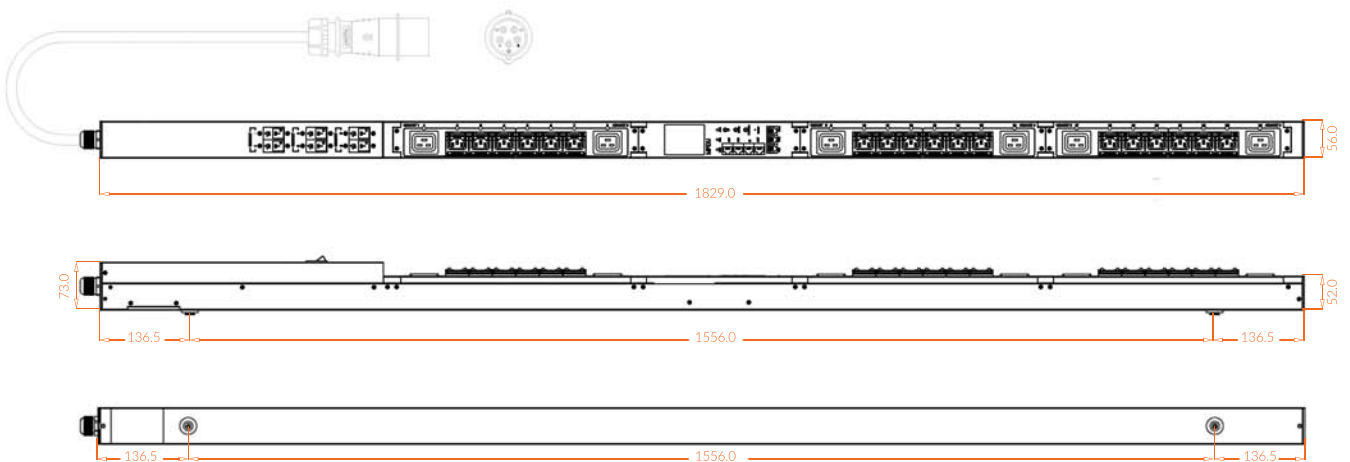
MC-16S-200400



MC-32S-200400



MC-32T-180600



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