iDC iPDU-M Series

The iPDU-M series rack iPDU is designed for small and medium-sized datacenters. It offers reliable power distribution and metering at the inlet level and support environmental sensors to monitoring temperature and humidity. The iPDU-M series rack iPDU makes it easy to make informed capacity planning decisions and to increase availability and energy efficiency.

The iPDU-M series rack iPDUs are:

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

Upgradeable
Easy to upgrade a basic PDU to a local metered PDU and then to an IP monitored intelligent PDU (iPDU) by just replacing the function modules

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

Basic PDU   Local Metered PDU   IP Monitored Intelligent PDU

Key Features

Hardware Features
- Hot-swap NMC (Network Management and Control) module and for easy upgrade and maintenance
- Clear LCD screen displays the Current (Amps), Voltage (Volts), Power (kW), Energy (kWh) and Frequency (Hz)
- Daisy-chainable up to 1 master and 4 slave units
- Available with IEC and UK outlets
- Outlet locking for IEC C13 and C19 outlets

Remote Access
- Remote access via TCP/IP and built-in 10/100Base-T Ethernet port
- Support network communication protocols including TCP, UDP, HTTP / HTTPS, TELNET, SNMP, Modbus RTU
- Support network services including TFTP and SMTP
- Support 1 level account password security
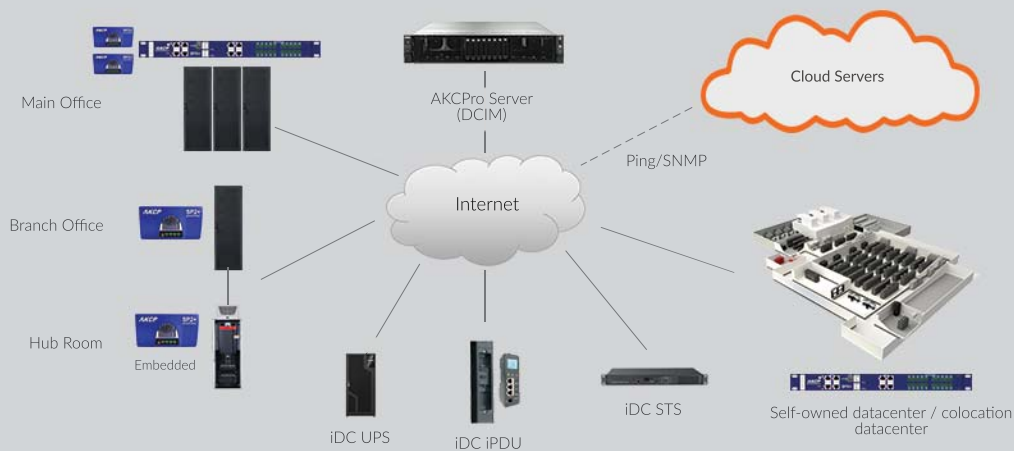- Support various web browsers like IE, Firefox, Chrome, Safari

Monitor
- Remotely monitor voltage, current, active power, apparent power, power factor, energy and frequency at input circuit level
- Rack environmental monitoring via external connected T/H sensor (optional)
- Metering accuracy of +/-1%
- Support threshold settings and alerts for voltage, current, temperature and humidity (optional)

Mounting
- Two-ends bracket 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!

iDC mini ®

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Plan it.
Own it.

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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 (Remark: support options for top-feed or bottom-feed input power cord for all models)
Output voltage	100-240 VAC +(1%+3 digit)
Output current	1P: 16A/32A, 3P: 32A per phase
Overload protection (internal circuit breaker)	None
Outlet Locking	Available for IEC C13 and C19 outlets
Outlet configurations	Refer to models table below for more detail

Physical

Dimensions	Refer to models table below for more detail
Power cord length	Refer to models table below for more detail
Rack space	0U

Environmental

Temperature (Operating / Storage)	Operating: -10 to 45°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	M-16S-200400	M-32S-200400	M-32T-200600	M-16S-120012	M-16S-000020	M-32S-160404
Part number	iDCIFIA-110-2004	iDCIFIA-130-2004	iDCIFIA-330-2006	iDCIFXA-110-1212	iDCIFBA-110-2000	iDCIFXA-130-160404
Rack space	0U	0U	0U	0U	0U	0U
Phase	Single Phase	Single Phase	Three Phase	Single Phase	Single Phase	Single Phase
Input voltage	100-240V	100-240V	200-415V	100-240V	100-240V	100-240V
Derated AMP	16A	32A	3x 32A	16A	16A	32A
Input plug	IEC60309 (16A 2P+E)	IEC60309 (32A 2P+E)	IEC60309 (32A 3P+N+E)	IEC60309 (16A 2P+E)	IEC60309 (16A 2P+E)	IEC60309 (32A 2P+E)
Input cord with length	3 x 2.5mm² x 3m	3 x 6.0mm² x 3m	5 x 6.0mm² x 3m	3 x 2.5mm² x 3m	3 x 2.5mm² x 3m	3 x 6.0mm² x 3m
Outlet	20x IEC 60320 C13 + 4x IEC 60320 C19	20x IEC 60320 C13 + 4x IEC 60320 C19	20x IEC 60320 C13 + 6x IEC 60320 C19	12x IEC 60320 C13 +12x BS1363 UK	20x BS1363 UK	16x IEC 60320 C13 + 4x IEC 60320 C19 + 4x BS1363 UK
Weight	4KG	4KG	5KG	4KG	4KG	4KG
Dimension (L*W*D) mm	1241*50*44.4	1291*50*44.4	1442*56*44.4	1563.2*62*44.4	1540*62*44.4	1354*62*44.4

*The specification and pictures are subject to change without notice.
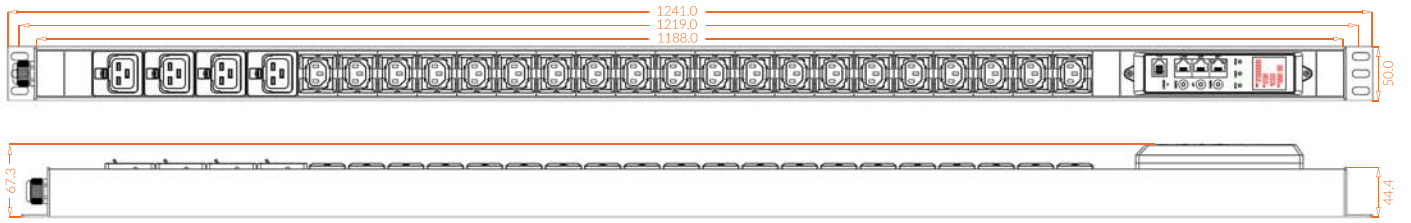*Customization is available as requested.
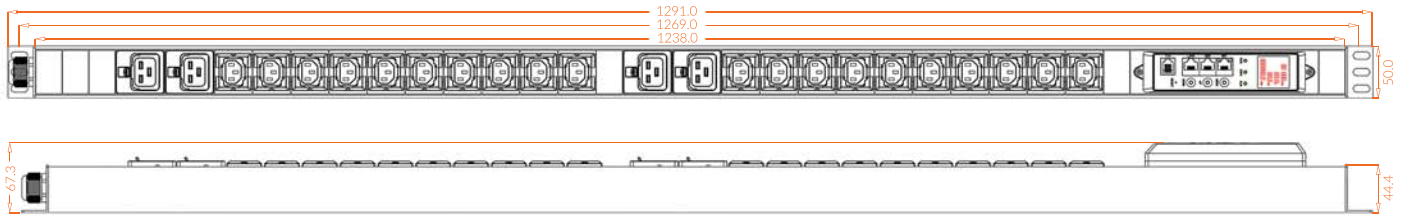
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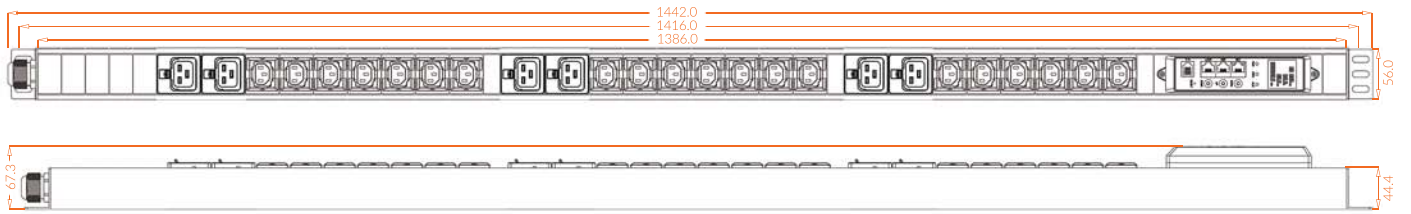+852 2113 2968 | enquiry@iDCmini.com | www.iDCmini.com

Product Photos

M-16S-200400

M-32S-200400

M-32T-200600
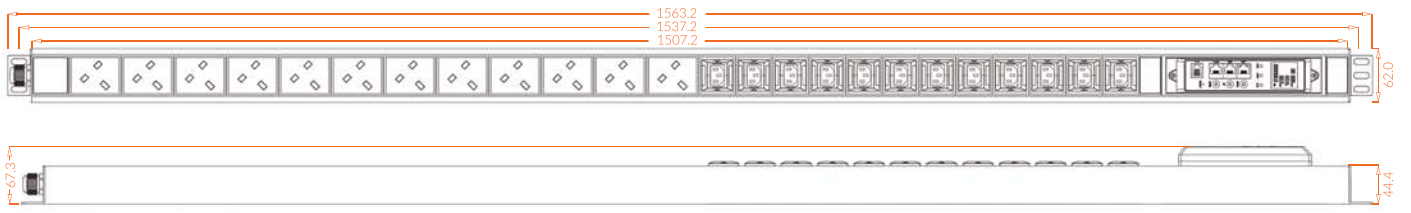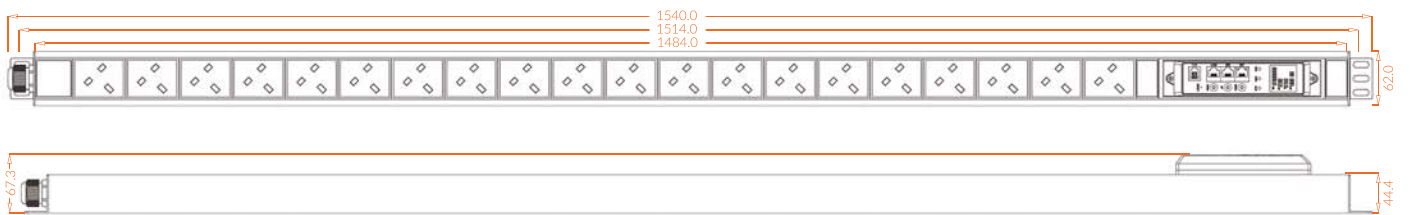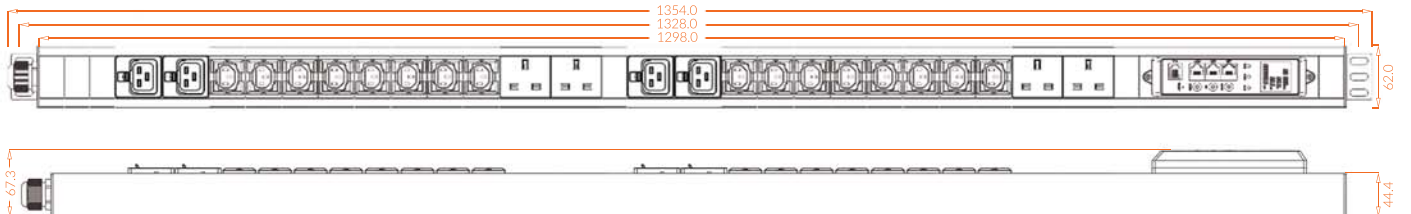
M-16S-120012

M-16S-000020

M-32S-160404