



METERED
INPUT

MANAGED



METERED
OUTLET

RACK
SENSORS



iPDU

INTELLIGENT POWER DISTRIBUTION UNITS

DATA SHEET

ArcTiv iPDU's

PRODUCT OVERVIEW

ArcTiv iPDU's combine energy & power metering, environmental & access monitoring, and remote outlet switching for complete protection and control in critical environments. Outlet power-up sequencing protects against inrush current overload and allows users to define equipment boot-up order and timing, while outlet level metering provides detailed equipment level power data. Network management features allow for a variety of remote access methods and integration with DCIM and accessories including environmental monitoring and security access solutions.

iPDU FUNCTION	METERED INPUT	METERED OUTLET	MANAGED
Power Metering & Monitoring <ul style="list-style-type: none"> • Monitor & alarm overload • 1% measurement accuracy • Logs and reports 	✓	✓	✓
Outlet Metering <ul style="list-style-type: none"> • Outlet level energy reporting • User-defined alarm thresholds • Branch metering 		✓	✓
Outlet On/Off Switching <ul style="list-style-type: none"> • Remote ON/OFF outlet control • Power ON/OFF sequencing • Outlet level user access controls 			✓
iPDU FEATURES	METERED INPUT	METERED OUTLET	MANAGED
Low-Profile Design	○	○	○
Flexible Mounting	○	○	○
Color Configurable	○	○	○
Locking C13 Outlets	○	○	○
Modular Design	○	○	○
2 Year Warranty	○	○	○
High-Density Outlets	○	○	○
2.8" LCD Display	○	○	○
Environmental Monitoring	○	○	○
Daisy Chain	○	○	○
1% Accuracy	○	○	○
Outlet Monitoring		○	○
Switched Outlets			○

iPDU Specifications

METERED & MANAGED MODELS

FUNCTION		METERED INPUT	METERED OUTLET	MANAGED
Input	Rated Voltage	1P: 100VAC – 240VAC (50/60 Hz), 3P: 200VAC – 415VAC (50/60 Hz)		
	Plug Types	IEC60309 1P (16A, 32A, 63A), IEC60309 3P (16A, 32A)		
	Cable Length	3 Meters		
	Protection	2 x 1-pole, 16A hydraulic-magnetic circuit breakers (temperature stable)		
Output	Outlet Types	C13 (10A, Locking & Non-Locking), C19 (16A, Non-Locking)		
	Rated Voltage	1P: 100VAC – 240VAC (50/60 Hz)		
	Outlet Quantity	1U: 8 0U (Standard): 24 (High-Density): 36 / 42		
Metering	Input Power	Current, Voltage, Power (kW, kVAR, kVA, by Phase), PF, Circuit Breaker, 1% Accuracy		
	Output Power	-	Outlet Voltage, Current, 1% Accuracy	Outlet On/Off State
	Environment	Sensor Hub, Temp / Humid (x2), Water Leak, Door Sensors, Alarm Beacon, e-Handle		
	Daisy Chain	Master (1), Slave (3)		
Control	Output	-	-	Individual Outlet Control
	Restart	-	-	Last-Known State
	Device Reboot	-	-	Schedule Group Outlets
Alarms	Thresholds	Voltage (High / Low), Input Current (Overload), Environmental Sensors		
	Method	LCD Display (Screen/Buzzer), Web Interface, Email, SNMP Trap		
	Logs	Voltage, Current, Temperature, Humidity, Sensors & Door Status		
Networking	Remote Access	Web Based (Browser), Multi-User Permission Settings		
	Displays	2.8" LCD Screen, 3 x LED's (Power On, Power Pulse, Alarm)		
	Communication	SNMP (V1,V2c,V3) , Http/Https, Telnet, Modbus-RTU, TFTP, SMTP		
	Connectivity Speed	100Mbps		
	Sensors	Temperature (0-45°C ±1°C), Humidity (10 – 90°C, ±5%), Response: 400ms		
	Firmware	Supports Remote and Local Upgrade		
	Ports	Net (RJ45), Daisy Chain (2 x RJ45), Serial (RJ45), Temp/Humid (2 x RJ11), Alarm (RJ11)		
Physical	Colors	Chassis & Outlet Modules: Black, Red, Blue, Orange, Yellow		
	Dimensions	0U: 1829 x 56 x 52mm (Standard ² , 24 Outlets), 1U: 486 x 216 x 44.4mm		
	Weight	0U: 10kg (Standard ² , 24 Outlets), 1U: 5.5kg		
Environment	Operating	Temp: 0 – 45C°, Humidity: 5 to 95%, Altitude: 0 – 3,000m		
	Storage	Temp: -20 – 70C°, Humidity: 5 to 95%, Altitude: 0 – 15,000m		
Safety	Certifications	CE, RoHS, EMC (EN), LVD (IEC), REACH		
	Warranty	2-year Repair or Replace		

Notes: ²Refer to product data sheets for high-density 0U models (>24 outlets)
 Specifications shown are subject to change without any further notification.



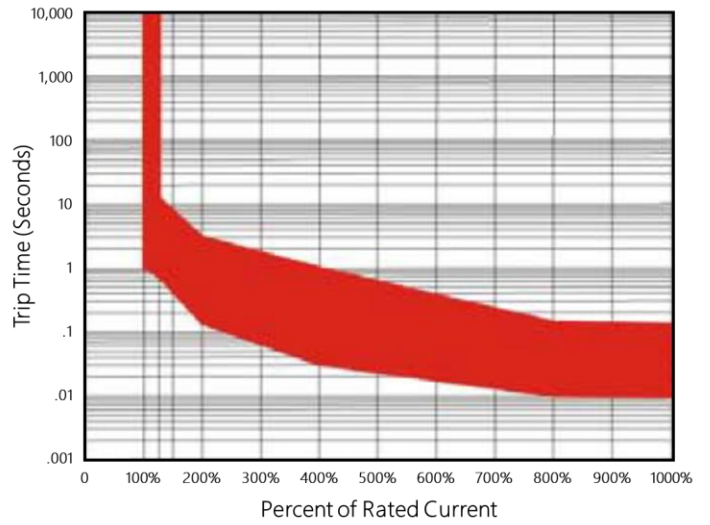
iPDU Specifications

DIMENSIONS & RATINGS

Circuit Breaker Trip Curve

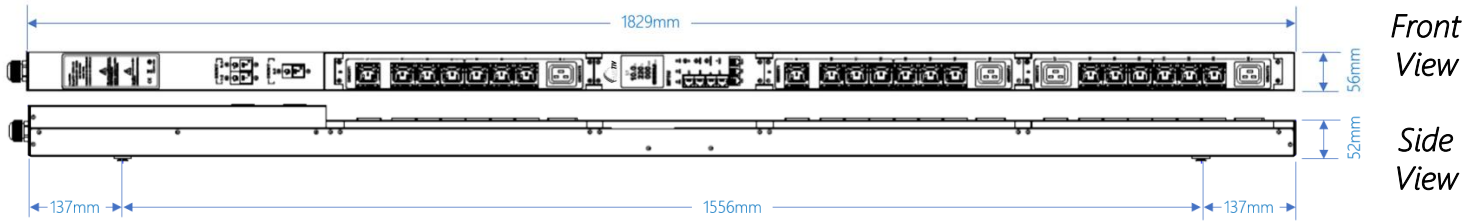


2 x 1-pole, Low-Profile 16A hydraulic-magnetic circuit breakers (temperature stable)

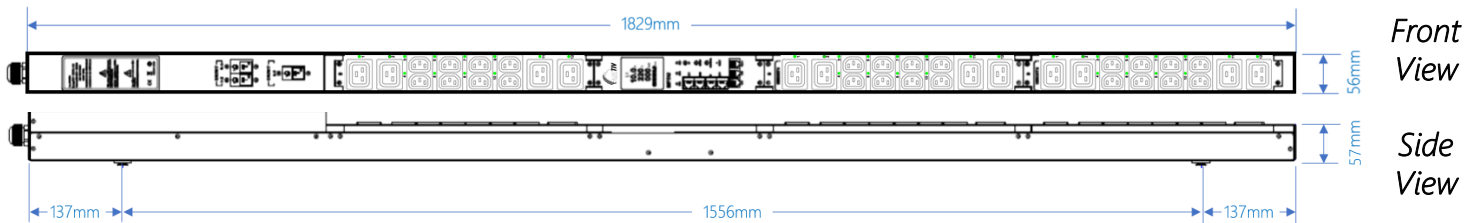


iPDU (OU) Dimensions

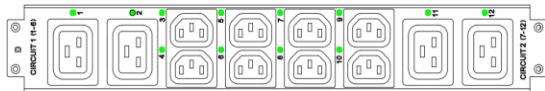
Standard Models (24 Outlets)



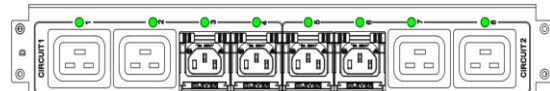
High-Density Models (36/42 Outlets)



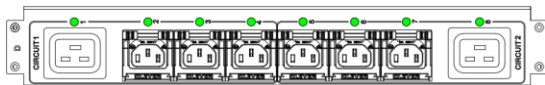
Outlet Modules



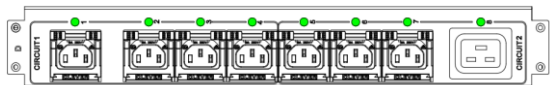
(High-Density) 8×C13 + 4×C19



4×C13 + 4×C19



6×C13 + 2×C19



7×C13 + 1×C19



Ordering Information

iPDU MODELS AND ACCESSORIES

iPDU Models

TYPE	PHASE	TOTAL CURRENT	CIRCUIT BREAKERS	DENSITY	OUTLETS		METERED INPUT	METERED OUTLET	MANAGED	
					C13	C19				
1U	1	16A	-	-	8	-	ATIPDUMIH180	ATIPDUMOH180	ATIPDUMAH180	
0U	1	16A	-	Standard (24)	18	6	ATIPDUMI11-1806	ATIPDUMO11-1806	ATIPDUMA11-1806	
					20	4	ATIPDUMI11-2004	ATIPDUMO11-2004	ATIPDUMA11-2004	
					21	3	ATIPDUMI11-2103	ATIPDUMO11-2103	ATIPDUMA11-2103	
					36	6	ATIPDUMI11-3606	-	-	
					18	6	ATIPDUMI13-1806	ATIPDUMO13-1806	ATIPDUMA13-1806	
					20	4	ATIPDUMI13-2004	ATIPDUMO13-2004	ATIPDUMA13-2004	
		21	3	ATIPDUMI13-2103	ATIPDUMO13-2103	ATIPDUMA13-2103				
		24	12	ATIPDUMI13-2412	ATIPDUMO13-2412	ATIPDUMA13-2412				
		36	6	ATIPDUMI13-3606	ATIPDUMO13-3606	ATIPDUMA13-3606				
		18	6	ATIPDUMI16-1806	ATIPDUMO16-1806	ATIPDUMA16-1806				
		20	4	ATIPDUMI16-2004	ATIPDUMO16-2004	ATIPDUMA16-2004				
		21	3	ATIPDUMI16-2103	ATIPDUMO16-2103	ATIPDUMA16-2103				
	24	12	ATIPDUMI16-2412	ATIPDUMO16-2412	ATIPDUMA16-2412					
	36	6	ATIPDUMI16-3606	ATIPDUMO16-3606	ATIPDUMA16-3606					
	18	6	ATIPDUMI31-1806	ATIPDUMO31-1806	ATIPDUMA31-1806					
	20	4	ATIPDUMI31-2004	ATIPDUMO31-2004	ATIPDUMA31-2004					
	21	3	ATIPDUMI31-2103	ATIPDUMO31-2103	ATIPDUMA31-2103					
	24	12	ATIPDUMI31-2412	ATIPDUMO31-2412	ATIPDUMA31-2412					
	36	6	ATIPDUMI31-3606	ATIPDUMO31-3606	ATIPDUMA31-3606					
	3	3	16A	-	Standard (24)	18	6	ATIPDUMI33-1806	ATIPDUMO33-1806	ATIPDUMA33-1806
	20					4	ATIPDUMI33-2004	ATIPDUMO33-2004	ATIPDUMA33-2004	
	21					3	ATIPDUMI33-2103	ATIPDUMO33-2103	ATIPDUMA33-2103	
	24					12	ATIPDUMI33-2412	ATIPDUMO33-2412	ATIPDUMA33-2412	
	36					6	ATIPDUMI33-3606	ATIPDUMO33-3606	ATIPDUMA33-3606	
18	6					ATIPDUMI33-1806	ATIPDUMO33-1806	ATIPDUMA33-1806		
20	4	ATIPDUMI33-2004	ATIPDUMO33-2004	ATIPDUMA33-2004						
21	3	ATIPDUMI33-2103	ATIPDUMO33-2103	ATIPDUMA33-2103						
24	12	ATIPDUMI33-2412	ATIPDUMO33-2412	ATIPDUMA33-2412						
36	6	ATIPDUMI33-3606	ATIPDUMO33-3606	ATIPDUMA33-3606						

iPDU's Include

- 2 x Network Cables, 2M
- 1 x Serial Cable, 2M
- Mounting Brackets
- Quick Start Guide
- User Manual (QR Code)
- Carton Packaging

Customized Options

- Chassis & Outlet Colors
- Locking C13 Outlets
- Outlet Modules
- Power Cables

iPDU Sensors & Accessories

ITEM	MODEL
SENSOR HUB	ATIPDUSENSOR
DOOR CONTACT	ATIPDUCONTACT
SMOKE SENSOR	ATIPDUSMOKE
WATER SENSOR	ATIPDUWATER
TEMP/HUMID SENSOR	ATIPDUTEMP
ALARM BEACON	ATIPDUALARM
E-HANDLE	DS899



Power



Protect



Cool



Connect

ArcTiv Technologies is a global technology vendor whose mission is to **Power, Protect, Cool and Connect** your data center and edge-computing network infrastructure.

USA Address:

ArcTiv Technologies, LLC
30 N Gould St Ste R,
Sheridan, WY 82801
USA
e: sales@arctiv-tech.com

Taiwan Address:

ArcTiv Technologies, Ltd.
15f., No. 159, Sec 1, Keelung Rd.,
Xinyi Dist. Taipei City, 110
Taiwan (R.O.C.)
e: zill.tsai@arctiv-tech.com

Bangladesh Address:

ArcTiv Technologies, Ltd.
Plot-155/1, 156, Road No. 1, Block-A,
Section-12, Pallabi, Dhaka, PO: 1216
Bangladesh
e: iftekhar.priyom@arctiv-tech.com

© 2021 ArcTiv Technologies, LLC. All rights reserved. ArcTiv and the ArcTiv logo are trademarks or registered trademarks of ArcTiv Technologies, LLC. While every precaution has been taken to ensure accuracy and completeness herein, ArcTiv Technologies LLC assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications are subject to change without notice.