



0U Intelligent PDU's



1U Intelligent PDU's

INTELLIGENT POWER DISTRIBUTION UNITS

Brochure

ArcTiv Technologies

Data Center Solutions

YOUR DATA
CENTER & IT
SOLUTIONS
PARTNER



ArcTiv Technologies is a global data center & IT solutions provider delivering high-performance products to **Power, Protect, Cool and Connect** your critical network infrastructure. We deliver customized, turnkey solutions to meet your data center and edge-computing application needs.

Find out more about our products and consulting services by contacting your local representative or visiting our website at:

www.arctiv-tech.com

Key Data Center Applications

Cloud / Hyperscale

Large public & private data centers require high-density rack, power & cooling management systems to minimize PUE and total footprint while providing continuous, clean power.



Co-Locations

Colo providers offer rack, power, cooling and access control solutions to allow their tenants to remotely monitor their IT equipment, reducing the need for on-site system maintenance.

Service Providers

ISP's can increase revenue and customer experience by investing in greater bandwidth and minimizing downtime by improving power system and network reliability.



Data Center Product Line

Power



UPS & ATS

Clean power with remote monitoring



Intelligent PDU's

Remote monitoring & control of servers

Protect



Server Racks

Secure your network with high air-flow systems



Access Control

Remote protection for access & system alerts

Cool



Aisle Containment

Automatic operation for max. cooling efficiency



In-Row Cooling

Cooling system for server room retrofits

Connect



DCIM

Management of power & environment



IP-Based KVM's

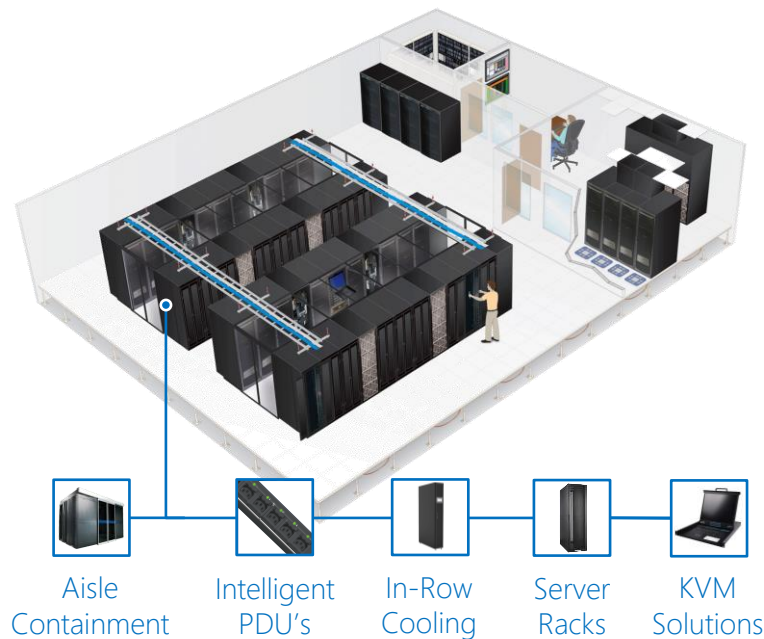
Remote access of servers & networking devices

Intelligent PDU's Applications

Data Center and Edge-Computing Overview

Managed PDU's in Data Center Applications

ArcTiv Intelligent 0U PDU's serve as a critical piece our high-performance **White Space Solutions** which provides customized products for **data centers, colocations and server rooms**.



Key Application Benefits

- ✓ Lower cabling & networking costs
- ✓ Flexible for future IT equipment expansion
- ✓ Rack monitoring
- ✓ Remote management & alarms
- ✓ Compatible with 3rd-party DCIM's
- ✓ Remote reboot
- ✓ Low-profile for easy IT equipment maintenance
- ✓ Smoke sensing & protection
- ✓ Greater equipment reliability

Managed PDU's in Edge-Computing Applications

ArcTiv Intelligent 1U PDU's can upgrade your **Edge-Series Cabinet** to efficiently monitor and control the IT equipment and cabinet environment. Common applications include **branch offices, retail, manufacturing and smart cities**, driven by on-site, edge-servers to reduce latency and PoE switches for security cameras.



Key Application Benefits

- ✓ No dedicated IT room (< CAPEX)
- ✓ Lower cabling costs (< CAPEX)
- ✓ Lower power and cooling costs (< OPEX)
- ✓ Remote management & alarms
- ✓ Centralized management for distributed networks
- ✓ Remote reboot of IT equipment
- ✓ Smoke sensing & protection
- ✓ Greater equipment reliability



Intelligent PDU's

Product Line Overview

0U Managed PDU



0U Managed PDU
(Front View)



1U Managed PDU



(Front View)



(Rear View)

ArcTiv Intelligent PDU's reliably power your Data Center & Edge-Computing networks via rackmount (0U) and (1U) configurations. The innovative, modular designs include hot-swap network & outlet modules along with low-profile circuit breakers for fast installation and easy configuration. The product line includes the following:

- Metered Input PDU's
- Metered Outlet PDU's
- Managed PDU's
- Environmental Sensors

Benefits

Power Monitoring	Energy and power monitoring with 1% billing-grade accuracy
Alarms	User-defined thresholds automate actions before overload
Network Services	Network protocols: HTTP, SSL, DHCP, SNMP, Modbus, Telnet, SMTP, NTP
Rack Monitoring	Connects to rack sensors for system management
Outlet Switching	Remote reboot servers and quickly restore services
Field Upgradeable	Upgrade the network module or outlet modules without removing power
Wide Range	Metered input, metered outlet, switched and managed options
Easy Installation	Tool-less, 0U mounting compatible with server and network Racks
Safe Operation	Locking C13 outlets prevent accidental removal of power cables

Remote Management	Low-Profile	Modular Design
Environmental Monitoring	Low-Profile Hydraulic Circuit Breakers	Hot-swap Network Module with 1% Accuracy
Switched, Locking Outlets	Tool-less Button Mounting	Field Upgradeable Outlet Modules

Intelligent PDU's

Key Features and Performance

Low-Profile Breakers
Greater Rack Space

Outlet Switching
Green LED Indicator

Universal Mounting
0U Mounting Brackets

Metering & Communications
1% Accuracy, Sensor Ports

Remote Management
Centralized Management System

LCD Screen
High Resolution with Visual Alarm

Hot-Swap Network Modules
Field Upgradeable

Daisy Chain Up to 5 Units
Save networking costs

Hot-Swap Outlet Modules
Field Upgradeable

Locking C13 Outlets
Reliable operation

High-Density Outlet Modules
Up to 42 Outlets per PDU

Device Reboot and Measurement
Synchronized Across A and B feed

±1%

Alarm Settings

Monitor Power Consumption

Server with Dual Power Inputs

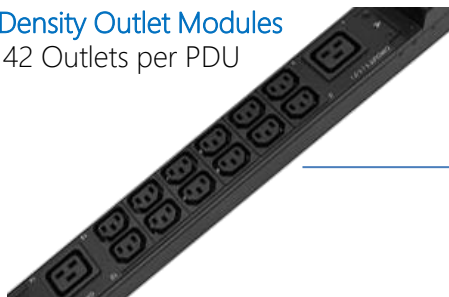
A-Feed **B-Feed**

Intelligent PDU

Device	Power	Temp	Humidity	Alerts
Server 1	100W	45°C	50%	OK
Server 2	150W	48°C	52%	Warning
Server 3	200W	50°C	55%	Alert
Server 4	250W	52°C	58%	Critical
Server 5	300W	55°C	60%	Emergency

Intelligent PDU

Outlet	Power	Temp	Humidity	Alerts
Outlet 1	100W	45°C	50%	OK
Outlet 2	150W	48°C	52%	Warning
Outlet 3	200W	50°C	55%	Alert
Outlet 4	250W	52°C	58%	Critical
Outlet 5	300W	55°C	60%	Emergency



Intelligent PDU's

Ordering Information

Intelligent PDU's Include:

- 3 outlet modules (0U)
- 1 network module
- Low-profile hydraulic breakers (0U)
- Network cables (2), Serial Cable (1)
- L-shaped mounting brackets
- User Manual (CD)
- Carton packaging
- 2-Year manufacturer's warranty

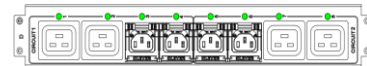
Outlet Modules (0U Models)



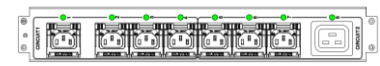
8×C13 + 4×C19



6×C13 + 2×C19



4×C13 + 4×C19



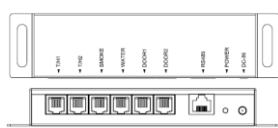
7×C13 + 1×C19

PDU Ordering Information

Metered Input	Metered Outlet	Managed	Description
ATIPDUMIH11-0800	ATIPDUMOH11-0800	ATIPDUMAH11-0800	1U, IN: 1P IEC60309 16A, OUT: 8 x C13, 1 x 16A CB
ATIPDUMIH11-0008	ATIPDUMOH11-0008	ATIPDUMAH11-0008	1U, IN: 1P IEC60309 16A, OUT: 8 x C19, 1 x 16A CB
ATIPDUMI11-1806	ATIPDUMO11-1806	ATIPDUMA11-1806	0U, IN: 1P IEC60309 16A, OUT: 18 x C13, 6 x C19, 1 x 16A CB
ATIPDUMI11-2004	ATIPDUMO11-2004	ATIPDUMA11-2004	0U, IN: 1P IEC60309 16A, OUT: 20 x C13, 4 x C19, 1 x 16A CB
ATIPDUMI11-2103	ATIPDUMO11-2103	ATIPDUMA11-2103	0U, IN: 1P IEC60309 16A, OUT: 21 x C13, 3 x C19, 1 x 16A CB
ATIPDUMI11-3606	ATIPDUMO11-3606	-	0U, IN: 1P IEC60309 16A, OUT: 36 x C13, 6 x C19, 1 x 16A CB
ATIPDUMI13-1806	ATIPDUMO13-1806	ATIPDUMA13-1806	0U, IN: 1P IEC60309 32A, OUT: 18 x C13, 6 x C19, 2 x 16A CB
ATIPDUMI13-2004	ATIPDUMO13-2004	ATIPDUMA13-2004	0U, IN: 1P IEC60309 32A, OUT: 20 x C13, 4 x C19, 2 x 16A CB
ATIPDUMI13-2103	ATIPDUMO13-2103	ATIPDUMA13-2103	0U, IN: 1P IEC60309 32A, OUT: 21 x C13, 3 x C19, 2 x 16A CB
ATIPDUMI13-3606	ATIPDUMO13-3606	-	0U, IN: 1P IEC60309 32A, OUT: 36 x C13, 6 x C19, 2 x 16A CB
ATIPDUMI16-1806	ATIPDUMO16-1806	ATIPDUMA16-1806	0U, IN: 1P IEC60309 63A, OUT: 18 x C13, 6 x C19, 2 x 32A CB
ATIPDUMI16-2004	ATIPDUMO16-2004	ATIPDUMA16-2004	0U, IN: 1P IEC60309 63A, OUT: 20 x C13, 4 x C19, 2 x 32A CB
ATIPDUMI16-2103	ATIPDUMO16-2103	ATIPDUMA16-2103	0U, IN: 1P IEC60309 63A, OUT: 21 x C13, 3 x C19, 2 x 32A CB
ATIPDUMI16-3606	ATIPDUMO16-3606	-	0U, IN: 1P IEC60309 63A, OUT: 36 x C13, 6 x C19, 2 x 32A CB
ATIPDUMI31-1806	ATIPDUMO31-1806	ATIPDUMA31-1806	0U, IN: 3P IEC60309 16A, OUT: 18 x C13, 6 x C19, 3 x 16A CB
ATIPDUMI31-2004	ATIPDUMO31-2004	ATIPDUMA31-2004	0U, IN: 3P IEC60309 16A, OUT: 20 x C13, 4 x C19, 3 x 16A CB
ATIPDUMI31-2103	ATIPDUMO31-2103	ATIPDUMA31-2103	0U, IN: 3P IEC60309 16A, OUT: 21 x C13, 3 x C19, 3 x 16A CB
ATIPDUMI31-3606	ATIPDUMO31-3606	-	0U, IN: 3P IEC60309 16A, OUT: 36 x C13, 6 x C19, 3 x 16A CB
ATIPDUMI33-1806	ATIPDUMO33-1806	ATIPDUMA33-1806	0U, IN: 3P IEC60309 32A, OUT: 18 x C13, 6 x C19, 3 x 32A CB
ATIPDUMI33-2004	ATIPDUMO33-2004	ATIPDUMA33-2004	0U, IN: 3P IEC60309 32A, OUT: 20 x C13, 4 x C19, 3 x 32A CB
ATIPDUMI33-2103	ATIPDUMO33-2103	ATIPDUMA33-2103	0U, IN: 3P IEC60309 32A, OUT: 21 x C13, 3 x C19, 3 x 32A CB
ATIPDUMI33-3606	ATIPDUMO33-3606	-	0U, IN: 3P IEC60309 32A, OUT: 36 x C13, 6 x C19, 3 x 32A CB

Accessories (Sold Separately)

Rack Environment Sensors



Sensor Hub



Door Contact



Temp / Humid Sensor



Water Sensor



Smoke Sensor

Sensor Ordering Information

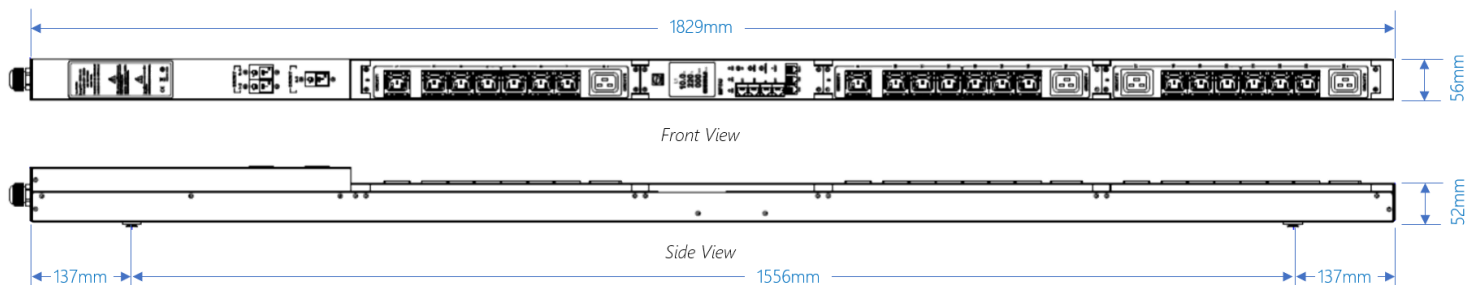
SENSOR	Description
ATIPDUSENSOR	SENSOR HUB
ATIPDUCONTACT	DOOR CONTACT
ATIPDUSMOKE	SMOKE SENSOR
ATIPDUWATER	WATER SENSOR
ATIPDUTEMP	TEMP/HUMID SENSOR

Intelligent PDU's

Technical Specifications

Main Function		Description	Metered Input	Metered Outlet	Managed
Metering	Input	Current, Voltage, Energy (kWh - Phase), Power (W - phase), PF	•	•	•
	Output	Outlet Voltage, Current, On/Off Status On/Off Status of Circuit Breaker	•	•	•
	Environment	Cabinet Temp / Humidity Sensors (x2)	•	•	•
Control	Output	Switch On / Off Individual Outlet			•
Threshold Settings	Input / Output	Threshold Settings of Input Current / Voltage Schedule Individual Outlets (On / Off)	•	•	•
	System	Temp / Humid Threshold	•	•	•
		E-mail Alarm Notification, Network Configuration User Access Permission Settings	•	•	•
Alarm	Alarm Type	Low / High Voltage Alarm, Input Current Overload	•	•	•
	Alarm Method	LCD Display (Screen and Buzzer) Web Interface, Email Notification, SNMP Trap Information	•	•	•
System	Access Method	Web Based via Standard Browsers SNMP (V1/V2/V3), Telnet, Modbus-RTU	•	•	•
	Networking	Alarm Logs (Voltage / Current / Temperature / Humidity Overload) User Log-in, Setting & Configuration, Create New User, Delete User Retain Last State After Reset	•	•	•
		Supports Remote and Batch Upgrade	•	•	•
Multi-User with Different Levels of User Access Accounts Mass Deployment, Centralized Management, Group Config & Upgrade HTTPS, SSL, Telnet, TCP, SNMP v1/v2/v3, IPv4, DHCP, UDP, DNS, SMTPS		•	•	•	
Input	Rated Voltage	1P: 250VAC @ 50/60 Hz, 3P: 380VAC @ 50/60Hz	•	•	•
	Plug Type	IEC60309 1P (16A, 32A), IEC60309 3P (16A, 32A)	•	•	•
	Cable	5 x 6.0mm ² , 3 Meters	•	•	•
	Protection	1P (16A, 32A) Low-Profile Air Circuit Breaker (x3 for 3-Phase)	•	•	•
Output	Sockets	C13 (10A, Locking), C19 (16A) - See Outlet Modules for Quantities	•	•	•
	Rated Voltage	250VAC	•	•	•
Dimensions	L x W x H (mm)	1829 x 56 x 52	•	•	•
Environment	Operating	Temp: 0 – 45 C, Humidity: 0 to 95%	•	•	•
Safety	Certifications	CE, RoHS, EMC / LVD	•	•	•
	Warranty	2-year (Standard), Extended Options Available	•	•	•

OU PDU Dimensions



Note: Specifications shown are subject to change without any further notification.



IT Solutions Provider

www.arctiv-tech.com



Power



Protect



Cool



Connect

ArcTiv Technologies is a global data center & IT solutions provider delivering high-performance products to **Power, Protect, Cool and Connect** your critical network infrastructure. We deliver customized, turnkey solutions to meet your data center and edge-computing application needs.

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