



Product Description

MPDU Pro is the latest flagship intelligent PDU introduced by BCP®. It inherits the innovative fully modular design from the classic MPDU family. The output module supports hot-swapping under no-load condition, and the main control module supports fully hot-swap operation. This enables functionality upgrades or changes in socket standards on the same intelligent PDU to meet the evolving needs of data centers at different stages of their business requirements. Thanks to the modular design, MPDU Pro allows for quick module replacement in the event of any hardware failures. This results in a shorter Mean Time To Repair (MTTR) compared to similar products, thereby enhancing the availability of the intelligent PDU.

Features & Benefits

- Screw free hot swap controller
- HD LCD/RGB status indicator
- Advanced communication protocols
- Outlet remote on/off control
- Enhanced network security
- Compact structure design
- Flexible installation options
- Replaceable output socket module
- High density output
- Patented socket retention
- Flexible color coding
- Cascading
- Comprehensive rack environment monitoring

Applications

- ASDN basic and primary rate Two
- 4/16 Mbps Token Ring (IEEE802.5)
- 100 Mbps TP-PMD & 1Gbps Ethernet
- 100 BASE-T4 (Fast Ethernet)
- 10 BASE-T (IEEE802.3)
- 52/155 Mbps ATM (ATM Forum)
- 100 VG-Any LAN (IEEE802.12)

Clever MPDU Pro Family Function Detail

Function	A Series	B Series	C Series	D Series
Input monitoring Total active energy, apparent/active power, power factor, frequency Phase current, voltage, active power, power factor Circuit current, voltage, active power, energy consumption +/-1% accuracy kWh 4-level threshold settings for phase current, voltage, active power Phase current, voltage, active power real-time trend curve	•	•	•	•
Outlet control Remotely switch on/o or power cycle of individual outlet Outlet sequential power on/o Outlet scheduled power on/o Critical device protection Outlet power shutdown when overload Outlet energy zero reset			•	•
Output monitoring Outlet current, active power, power factor, active energy 4-level threshold settings for outlet current and active power Server power supply A/B load balancing monitoring		•		•
Rack environment monitoring T/H x 2, door status x 2 as standard (optional smoke, water leakage sensors) 4-level threshold settings for temperature and humidity	•	•	•	•
Historical data and graph View and export the voltage/current/active power 24-hour curve of a selected day(energy data is exported in excel file) View and export logs (operation and alarm) of a selected day	•	•	•	•
Network service Standard protocols supported: HTTP(S), SSL/TLS, Telnet/SSH, SNMP v1/v2c/v3, SMTP(S), Modbus- RTU/TCP, JSON-RPC, XML -RPC, RESTful (API), MQTT, AMQP, Redis, ODBC Authentication method supported: Radius, LDAP Generate/upload/download, firewall and IP/MAC address white list RES/RSA/SM4/SHA encryption Network service: NTP, SMTP(S), SYSLOG, Data push	•	•	•	•
System maintenance Webpage firmware upgrade and view firmware upgrade history System settings file download and upload System backup and restore PDU network diagnose and diagnostic message download USB flash drive firmware upgrade, batch PDU firmware upgrade through cascading, batch PDU firmware upgrade in LAN through CLEVER's dedicated utility	•	•	•	•

**RGB status indicator**

- GREEN/ORANGE/RED color :
- RED- Alarm status; GREEN-Normal status;
- ORANGE-Warning status

2.0" HD LCD

- 320 x 240 resolution, 4 optional display orientations

10/100Mbps ethernet port

- Connect to LAN through network switch, support IPv4 & IPv6

Sensor box extension port

- Additional 2xTH port, 1 x water leakage port, 1 x smoke detector

PDU cascading

- "IN" and "OUT" port for 10 x MPDU pro cascaded together sharing one IP address

T/H sensor port

- Support CLEVER T/H sensors to monitor rack environment

USB-A port

- Used for settings file upload, firmware upgrade or crashed PDU restore

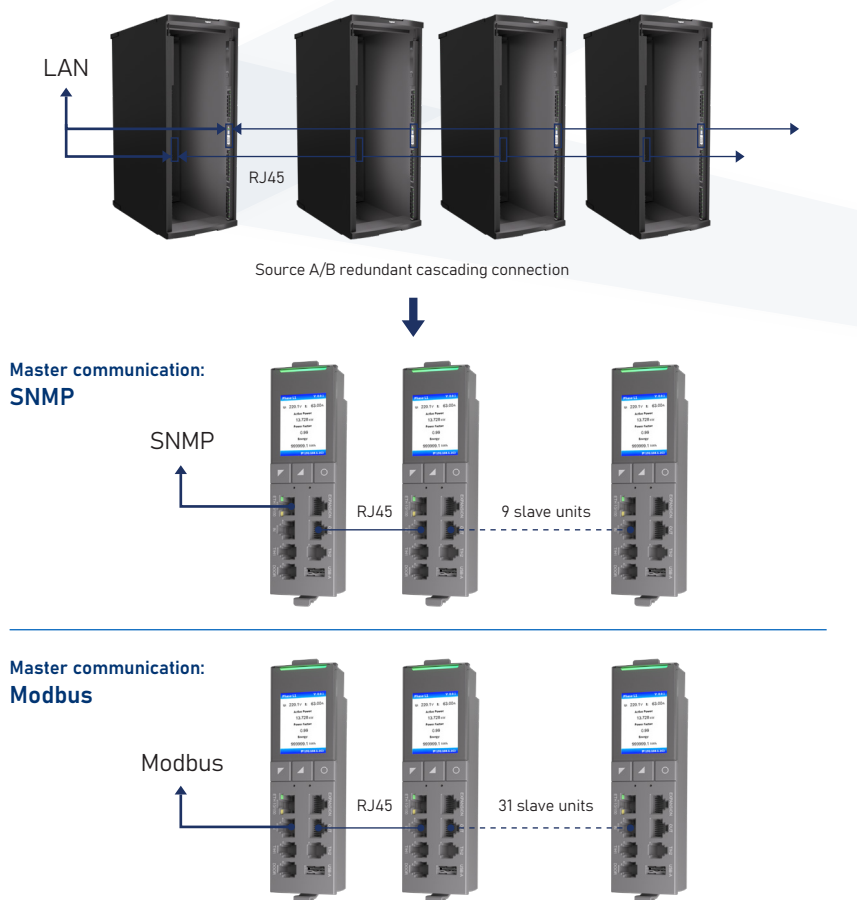
Door sensor port

- Support CLEVER door contact sensors to monitor rack door status



When the master MPDU Pro unit is in SNMP communication, it can cascade up to 9 slave units. The parameters of slave units can be viewed through the master's web page, and the slave units can be remotely controlled, configured, and firmware upgraded through the master's web page.

When MPDU Pro units are in Modbus communication, the head unit can cascade up to 31 secondary units. Parameter monitoring, remote management, and parameter configuration of these units are all handled by upstream management platform.



Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Orientation		Socket Number		Cable Length (m)		Features*	
V	Vertical	8S	8 Sockets	1	1m	SW	On/Off Switch
H	Horizontal	6S	6 Sockets	3	3m	SG	Surge Protection
		9S	9 Sockets	6	6m	CB	Circuit Breaker
		15S	15 Sockets	10	10m	SP	On/Off Switch & Surge Protection
		24S	24 Sockets				
		34S	34 Sockets				
↑		↑		↑		↑	
H	MPRO	8S	EU	3	1U	SP	32A
↓		↓		↓		↓	
PDU	PDST	UK	UK	1U	1U	6 Amp	6A
Metered PDU	PDMT	EU	EU	2U	2U	10 Amp	10A
Smart PDU	PDSM	IEC 13	C13			13 Amp	13A
Intelligent Power	PDIP	IEC 14	C14			15 Amp	15A
Monitored PDU	PDMN	SCHUKO	SK			16 Amp	16A
MPDU Pro	MPRO	US	US			20 Amp	20A
						32 Amp	32A
						60 Amp	60A
Product		Plug		Units			

Example Part Number	
Description	Part Number
8- Way Environment MPDU Pro - 3m Cable - 1U - EU Plug 20 amp	HMPRO8SEU31USP20A