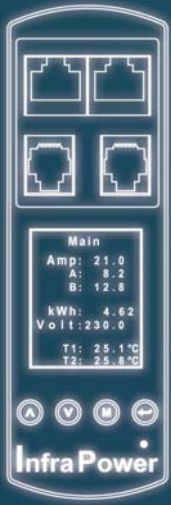


1-Phase In-Line Meter (230V / 208V / 110V)



Server racks equipped with basic PDU are very common in nowadays data centers. However, real time power monitoring is becoming a more important feature of rack PDU.

InfraPower In-Line Meter, the most effective PDU enhancement approach, is designed to upgrade your basic PDU with local monitoring plus remote management.



>>> Quick & Easy PDU Upgrade



The In-Line Meter simply connects between the existing basic PDU and the power source. It eliminates the need to replace every rack PDU installed, dramatically reducing the project implementation time.

>>> Advanced In-Line Meter



InfraPower In-Line meter provides the cascade ports for network connection. Two sensor ports are integrated for temperature & humidity monitoring. The 1.8" color LCD offers a real time local PDU monitoring.

>>> Remote PDU Monitoring



Free IPM-04 software allows advanced PDU remote management for up to 800 PDUs. Monitoring with reporting is provided within IPM-04. SNMP function is also available for PDU integration to third party DCIM.

>>> Field Replaceable In-Line Meter



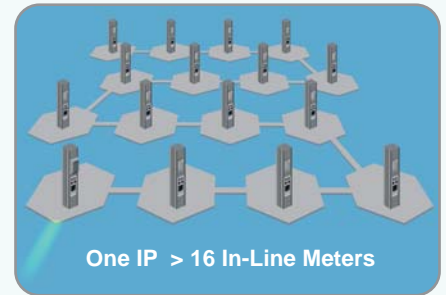
Mission critical data centers cannot afford power shutdown. The In-Line Meter design is field replaceable without the need to power down the PDU for meter replacement and maintenance.

>>> High Metering Accuracy



The sharp and highly visible 1.8" color LCD provides local data of current (AMP), voltage (Volt), power (KW), power factor, energy consumption (KWh), of entire PDU. This data has a metering accuracy to within +/- 1%.

>>> Save IP Address Cost



InfraPower In-Line Meter is designed to support daisy chain connections. It allows up to 16 In-Line Meters to be cascaded via Cat6 cables - All the PDUs with In-Line Meters are remotely accessed via a single network IP.

Local PDU Management by Meter

Advanced & Sophisticated In-Line Meter featured with 1.8" LCD offers a real time local monitoring and detailed PDU status.

Display for PDU Monitoring <ul style="list-style-type: none"> • Amp, Volt & Power Factor • kWh Energy Consumption • Active & Apparent Power • Temp. & Humidity 	Main Amp: 21.0 A: 8.2 kWh: 4.62 Volt: 220.0 T1: 25.1°C T2: 25.8°C	Circuit A 8.2 Amp Peak: 16.3 Load Amp 03: 59: 23 31 - Dec - 09	Power Factor 0.9 Active Power 4.15 kW Apparent Power 4.62 kVA	Energy Cumulative kWh 99999.99 From 23: 59: 00 30 - Nov - 06	Temp / Hum T1: 25.1°C T2: 25.8°C H1: 78% H2: 66%
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IP Dongle



P/N : IPD-02-S

- Patented design
- Hot pluggable for easy integration
- Allows IP remote access to the In-Line Meters by a single network IP
- One IP dongle supports max. 16 In-Line Meters in daisy chain
- Highly cost effective method to access the intelligent PDUs
- SNMP capability v2 / v3

Remote PDU Management by IPM-04 Software

InfraPower Manager IPM-04 is the free, powerful and user friendly PDU management software.

The Windows based software consolidates management of max. 800 In-Line Meter with PDUs via 50 IP dongles. 5 concurrent user access licences are part of the IPM-04 bundle, for achieving the demand of multi-user in data center operations.



IPM-04 Features		
Capacity	IP Dongle Group (Just 1 for 16 PDU levels)	50
	PDU (In-Line Meter) Number	800
	Concurrent Users	5
Enhanced Features	Energy Consumption (kWh) Monitoring	✓
	Apparent Power (kVA) Monitoring	✓
	Power Factor Measurement	✓
Basic Features	Aggregate Current (Amp) Monitoring	✓
	Temp-Humid Monitoring	✓
	Alarm Threshold Setting	✓
	Rising Alert Threshold	✓
	Remote Access via Web	✓
	Graphic User Interface	✓
	Reporting	✓
	PDU Series Support	Single Phase - 230V
Single Phase - 208V		✓
Single Phase - 110V		✓

PDU Monitoring

Temp. & Humid. Monitoring

Reporting

230V Model :

Model No.	Amp	Inlet (male) 1.5m cordset **	Outlet (female) 1.5m cordset **
EW-16A_EN	16A → 16A	16A EN x 1	16A EN x 1
EW-32A_EN	32A → 32A	32A EN x 1	32A EN x 1
EW-S32A_EN	32A → 16A x 2	32A EN x 1	16A EN x 2

208V Model :

EW-20A_L620	20A → 20A	L6-20P x 1	L6-20C x 1
EW-30A_L630	30A → 30A	L6-30P x 1	L6-30C x 1

110V Model :

EW-15A_515	15A → 15A	5-15P x 1	5-15R x 1
EW-20A_520	20A → 20A	5-20P x 1	5-20R x 1
EW-20A_L520	20A → 20A	L5-20P x 1	L5-20R x 1
EW-30A_530	30A → 30A	5-30P x 1	5-30R x 1
EW-30A_L530	30A → 30A	L5-30P x 1	L5-30R x 1

** 1.5m cordset standard for inlet & outlet. Specific cordset length available.

Mounting Kit : Bundled In-Line Meter mounting kit supports rackmount or vertical mount.

Accessories

Temp. & Humid. Sensor



- Plug & Play
- External sensor with 2M or 4M cord
- Low profile design with magnetic base for easy affixing to the rack
- Pair of sensors can be connected to one single W series PDU meter

P/N : IG-TH01-2M (2m cord)
IG-TH01-4M (4m cord)

Temp. Sensor



P/N : IG-T01-2M (2m cord)
IG-T01-4M (4m cord)

Specifications

Electrical	
Nominal input voltage	208 ~ 230V or 110V
Input frequency	50 / 60Hz
Inlet & output cordset	1.5-meter cord
Local display	Field replaceable 1.8" color LCD
Bank measurement	Voltage (V), Current (A), energy (kWh) & power factor
Accuracy	±1% true RMS
IP Access	via IP dongle, one IP access up to 16 PDU levels
Cascade	Up to 16 PDU under single IP address via IP dongle
SNMP	via IP dongle
Sensor port x 2	Temp. Sensor / Temp. + Humid. Sensor

Environmental	
Operating temperature	-5 to 60°C degree (23 to 140°F)
Storage temperature	-25 to 65°C degree (13 to 149°F)
Operating humidity	8~95%, non-condensing
Storage humidity	8~95%, non-condensing

Physical	
Product (W x D x H)	350 x 60 x 90 mm
Packing (W x D x H)	525 x 235 x 80 mm
Net weight	2 kg / 4.4 lb
Gross weight	2.3 kg / 5.1 lb
Extrusion color	Dark
Extrusion materials	Aluminum

Compliance	
EMC	FCC & CE certified
Safety	CE / LVD certified
Environment	RoHS2 & REACH compliant

Founded in 1995, **Austin Hughes Electronics Ltd** is a design and manufacturing group that offers a broad range of solutions based around 19 inch rack mount technology. These solutions include InfraSolution remote access control and locking, InfraPower intelligent remote management power solutions, CyberView LCD Keyboard and KVM drawers, InfraCool intelligent remote cooling system, UltraRack smart cabinet solution & InfraAisle cold aisle containment.

Austin Hughes has ISO14001 and ISO9001 approved design, manufacturing, assembly and test facilities in Hong Kong and China. Austin Hughes supports a worldwide customer base, through its global locations in the Americas, EMEA and APAC and through its extensive authorized channel partner support network.

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