

CDR-2221-7M3

2200W CRPS Power Supply AC/DC to DC Dual-input Redundant

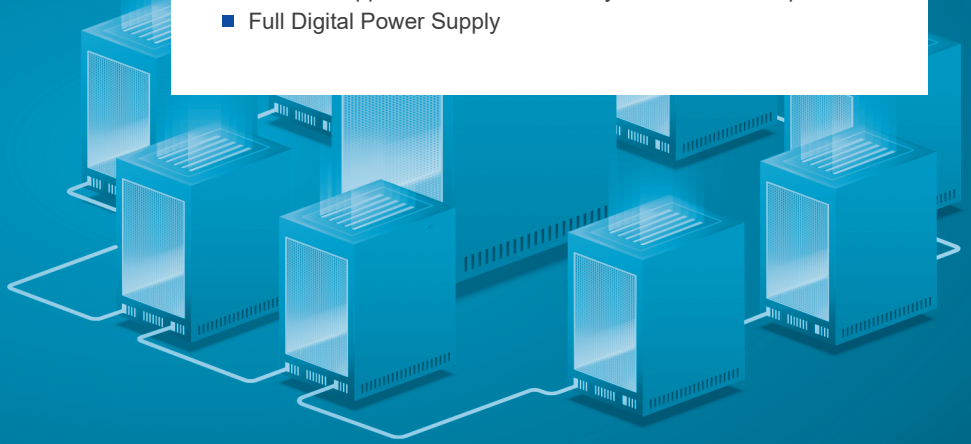


FEATURES

- High Efficiency: 94%
- Hot Swappable
- PMBus Support
- Full Digital Power Supply
- Smart Fan Speed Control
- Active Power Factor Correction
- In-system Firmware Upload



■ Dimension : 185 x 73.5 x 40 mm (D x W x H)



SPECIFICATIONS

▶ INPUT

| | |
|-----------|---|
| Voltage | AC input: 90 - 264Vac DC input: 180 - 240Vdc |
| Frequency | 47 - 63Hz |
| Current | AC 100-127V / 12 - 9A AC 200-240V / 10 - 9.8A DC 230-240V / 10 - 9.8A |

▶ EFFICIENCY, PFC, THD

| Load (%) | Input 115Vac | | | Input 230Vac | | |
|----------|-------------------|--------------|------------|-------------------|--------------|------------|
| | Input current THD | Power Factor | Efficiency | Input current THD | Power Factor | Efficiency |
| 20% | 10% | 0.95 | 90% | 15% | 0.96 | 90% |
| 50% | 5% | 0.98 | 92% | 5% | 0.98 | 94% |
| 100% | 5% | 0.99 | 89% | 5% | 0.99 | 91% |

▶ OUTPUT

| Parameter | 12V (100-127Vac) | 12V (200-240Vac) | 12Vsb |
|--------------------------|------------------|------------------|----------|
| Rated Continuous | 83A | 180.5A | 3A |
| CLST Peak 20s PL2 | Rated + 10A | Rated + 10A | 4A |
| Pmax.app Peak 10msec PL3 | Rated + 72A | Rated + 72A | N/A |
| Pmax Peak 100µs PL 4 | Rated + 105A | Rated + 105A | N/A |
| Regulation | ±5% | ±5% | ±5% |
| Ripple & Noise | 130mVp-p | 130mVp-p | 130mVp-p |

▶ PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)
Over Power Protection (OPP)
Over Voltage Protection (OVP)
Over Temperature Protection (OTP)
Short Circuit Protection (SCP)
PFC Over Voltage Protection (Bulk OVP)
Holdup Time: 11.2ms @ 70% Load
MTBF: >400,000 Hours @ 30°C
Warranty: 3 Years

▶ ENVIRONMENTAL

| | |
|-------------------|---|
| Temperature | Operating: 0 to 50°C Non-operating: -40 to 70°C |
| Altitude | Operating: to 16,500 feet (5,000 meters) Non-operating: to 49,000 feet (15,200 meters) |
| Relative humidity | Operating : to 85% RH, Non-condensing Storage : to 95% RH, Non-condensing |

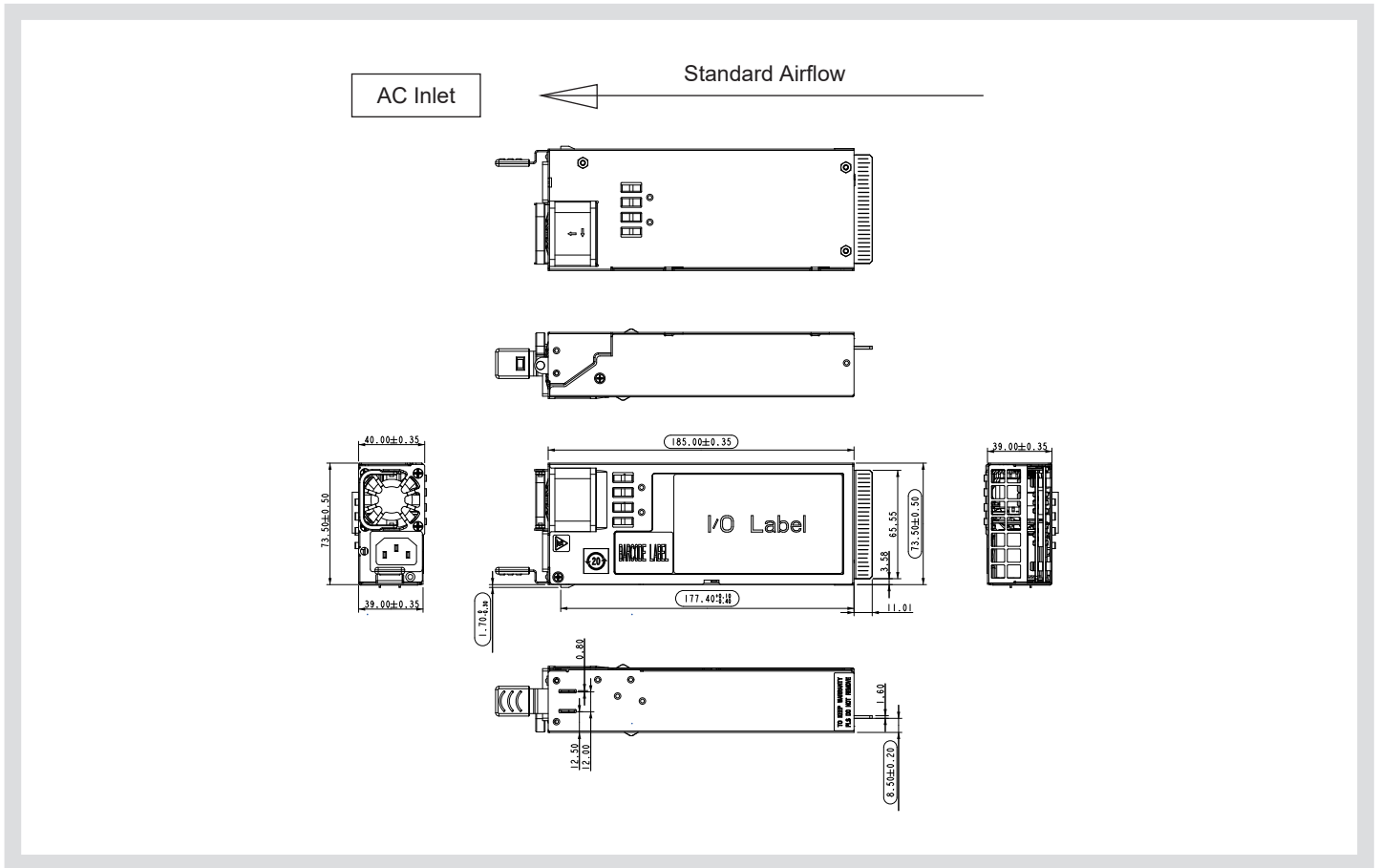
SAFETY AND COMPLIANCE

UL, cUL, CE, CCC, BSMI, CB, FCC class A, CISPR Class A, RoHS, REACH

CDR-2221-7M3



MECHANICAL DRAWING



CONNECTORS

| AC Inlet | DC Output | DC Output Mating |
|----------------------------|-------------|---|
| IEC 320 C-14, 10A / 250Vac | Gold Finger | Amphenol GPCE743614114HR, GPCEF4361411HHR or equivalent |

OUTPUT CONNECTOR PIN ASSIGNMENTS

| Bottom | | | | | | Top | | | | | |
|--------|-------------|------|-------------|------|-------------------|------|-------------|------|--------------------|------|-----------------------------|
| PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name | PIN# | Signal Name |
| A1 | GND | A11 | +12V | A21 | PSON | B1 | GND | B11 | +12V | B21 | 12V Standby |
| A2 | GND | A12 | +12V | A22 | SMBAlert# | B2 | GND | B12 | +12V | B22 | Cold Redundancy Bus |
| A3 | GND | A13 | +12V | A23 | Return Sense | B3 | GND | B13 | +12V | B23 | 12V load share bus (Vshare) |
| A4 | GND | A14 | +12V | A24 | +12V Remote Sense | B4 | GND | B14 | +12V | | |
| A5 | GND | A15 | +12V | | | B5 | GND | B15 | +12V | B24 | Present (connect to ground) |
| A6 | GND | A16 | +12V | A25 | PWOK | B6 | GND | B16 | +12V | B25 | Reserved |
| A7 | GND | A17 | +12V | | | B7 | GND | B17 | +12V | | |
| A8 | GND | A18 | +12V | | | B8 | GND | B18 | +12V | | |
| A9 | GND | A19 | PMBus SDA | | | B9 | GND | B19 | A0 (SMBus address) | | |
| A10 | +12V | A20 | PMBus SCL | | | B10 | +12V | B20 | A1 (SMBus address) | | |

* Product details and image are for reference and final product is subject to change without notice.



Compuware Technology Inc.

Tel: 886-2-8226-3936 Address: 5F., No. 232, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)



www.compuware-us.com