

CPR-3221-4M1



3200W MCRPS Power Supply AC to DC Redundant

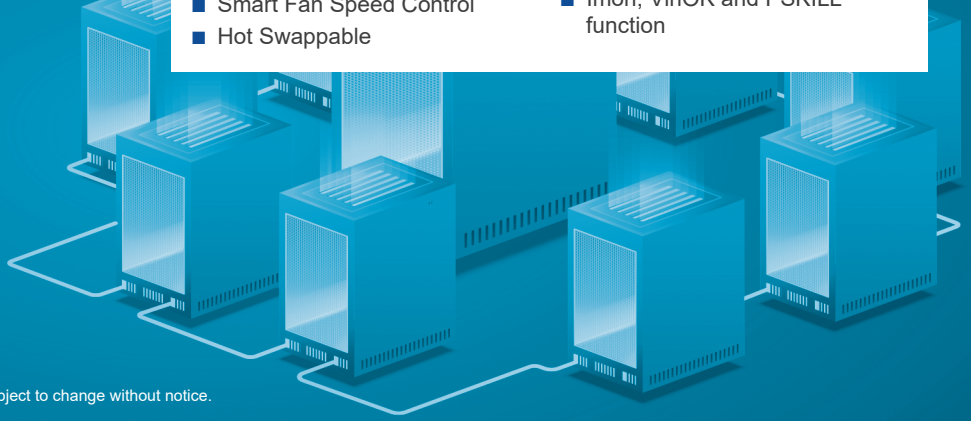
FEATURES

- High Efficiency: 96%@50%Load
- PMBus, SMBus, I2C functions
- Fully digital power supply
- Smart Fan Speed Control
- Hot Swappable
- In-system Firmware Upload
- Illuminated handle indicates power status
- Imon, VinOK and PSKILL function



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

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



SPECIFICATIONS

► INPUT

Voltage	AC input: 200 ~ 240VAC (Rated)
Frequency	47 ~ 63Hz

► POWER FACTOR

Load (%)	Output Power
10%	92%
20%	96%
50%	98%
100%	99%

* These requirements are within the Energy Star® Program Requirements for Computer Servers.

► OUTPUT

Parameter	54.5V	12Vsb
Max Load	58.71A	3.0A
Regulation	51.78V ~ 57.23V	11.65V ~ 12.35V
Ripple & Noise	545mVp-p	120mVp-p

► PROTECTION, RELIABILITY, WARRANTY

Over Current Protection (OCP)
Over Power Protection (OPP)
Over Voltage Protection (OVP)
Under Voltage Protection (UVP)
PFC Over Voltage Protection (Bulk OVP)
Over Temperature Protection (OTP)
Holdup Time: 11msec @ 100% Load
MTBF: >400,000 hours @ 100% Load, 30°C Ambient
Warranty: 3 Years

► ENVIRONMENTAL

Temperature	Operating : -5°C to 50°C Non-operating : -40 to 70°C / Ambient
Altitude	Operating: to 16,400 feet (5,000 meters) Non-operating: to 49,800 feet (15,200 meters)
Relative Humidity	Operating: to 85% RH, Non-condensing Storage: to 95% RH, Non-condensing

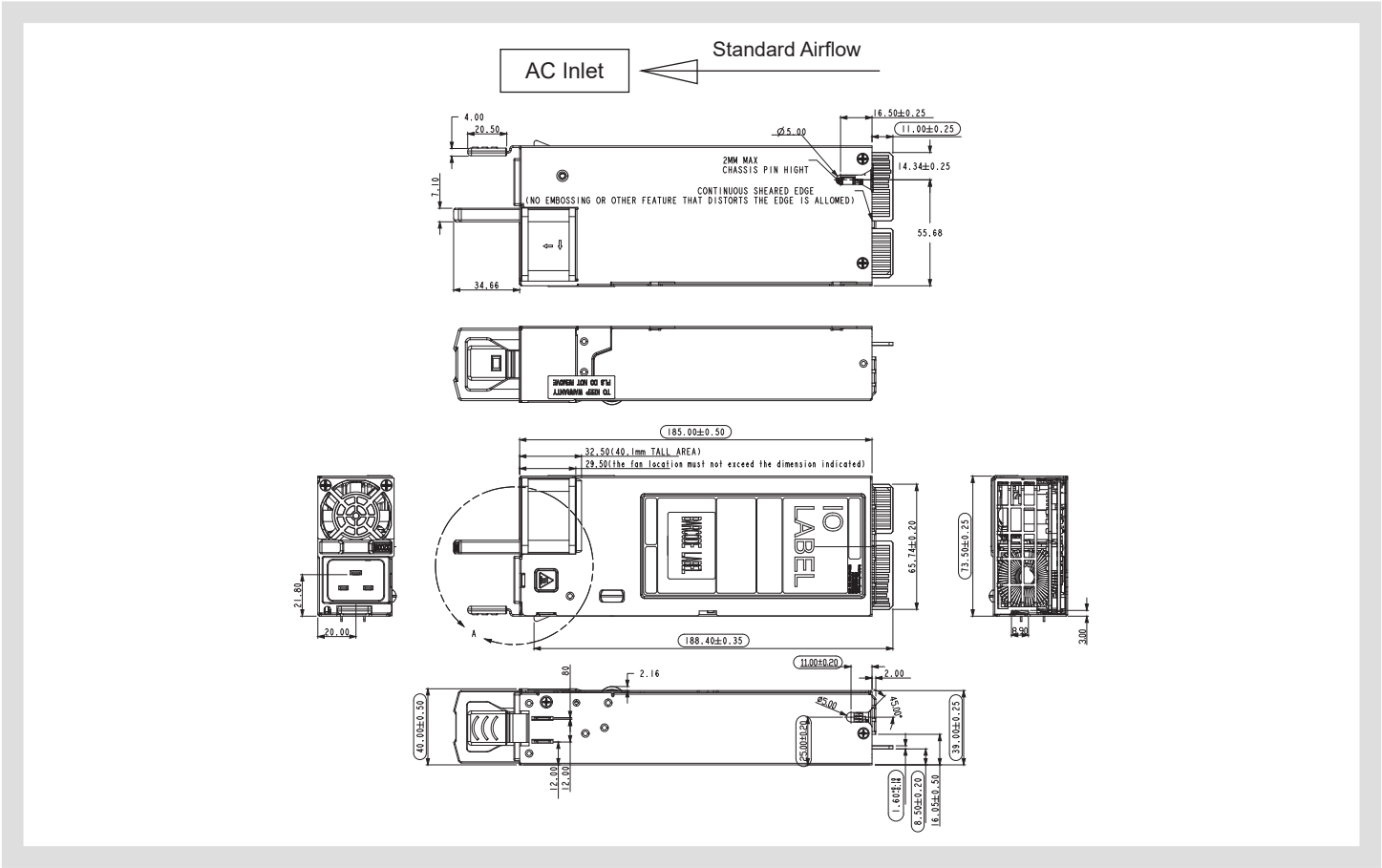
SAFETY AND COMPLIANCE

UL, CE, CB, FCC class A, CISPR Class A, RoHS, BSMI

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MECHANICAL DRAWING



CONNECTORS

AC Inlet	IEC 320 C20 (16A / 250Vac)
DC Output	Card Edge (Goldfinger)
DC Output Mating	Bellwether 70278-9215 or equivalent

OUTPUT CONNECTOR PIN ASSIGNMENTS

High power Connector / Top Side				High power Connector / Bottom Side			
PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name	PIN#	Signal Name
P1	GND	S1	PMBus SDA	P7	GND	S8	A0 (SMBus address)
P2	GND	S2	PMBus SCL	P8	GND	S9	A1 (SMBus address)
P3	GND	S3	PSON#	P9	GND	S10	+12Vstby
P4	EMPTY (N.C.)	S4	SMBAlert#	P10	EMPTY (N.C.)	S11	Cold Redundancy Bus
P5	+54.5V	S5	Return sense /PSKILL	P11	+54.5V	S12	Load share bus
P6	+54.5V	S6	54.5V Remote sense	P12	+54.5V	S13	Imon
		S7	PWOK			S14	VINOK



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