

## R2IS7971A-G



### MODEL DESCRIPTION

This product is designed for high efficiency 2U up to 4U Rack mount and multi form factor applications. The R2IS7971A-G power system offers following main outputs +5V, +3.3V, +12V, -12V, and a +5Vsb auxiliary output. The product is designed from ground up to meet modern Data Center, Mission Critical and Industrial Application System requirements.

### FEATURES

- ◆ Safety according to EN 60950-1:2006/UL 60950-1 2nd Edition
- ◆ PSMC accuracy within 5% (Current, Voltage, Temp, Power)
- ◆ Embedded Buzzer Alarm with reset port function.
- ◆ Energy Star compliances for Computer Server 2.0
- ◆ Power module efficiency: 80plus Gold certified.
- ◆ LED indicators for power status (Green/Amber).
- ◆ Low Acoustic design by Digital Fan control.
- ◆ PSON, PG/PWOK, SMBAlert signaling.
- ◆ Designed for Intel Haswell platform.
- ◆ High Voltage 240VDC compatible.
- ◆ PMBus 1.2 compliant.
- ◆ 3 years warranty.

### GENERAL SPEC

- Hold-up Time 12mS@80% load
- Dimensions L260 x W101 x H83.5 (mm)
- MTBF 100,000 hours min at full load, +40°C
- Output Rise Time 5 ~ 70mS
- Power Factor 0.90 typical load

### ENVIRONMENTAL SPEC

- Operating Temperature 0°C ~ +50°C
- Storage Temperature -40°C ~ +70°C

### OUTPUT CURRENT CAPACITY

Output	Min	Max	Peak
+5.0V	1.0A	40.0A	52.0A
+3.3V	1.0A	30.0A	39.0A
+12.0V1	0.5A	45.0A	58.5A
+12.0V2	0.5A	45.0A	58.5A
+12.0V3	0.5A	45.0A	58.5A
-12.0V	0.0A	0.3A	
+5Vsb	0.1A	4.0A	5.2A

- Maximum continuous total DC output power should not exceed 975W.
- Maximum continues combined load on +3.3Vdc and +5Vdc outputs shall not exceed 280W.
- Maximum continues combined load on +12V1,2,3 outputs shall not exceed 975W.
- Maximum peak total DC output power should not exceed 1260W.

### INPUT SPEC

- Input Voltage Range 90~264Vac
- Input Frequency Range 47/63Hz
- Leakage Current < 3.5mA when tested at 240Vac
- AC Input Current 10A@115Vac / 7A@230Vac
- PFC (Harmonic) Meet EN61000-3-2
- EMI/RFI CISPR 22 Class A

### OUTPUT SPEC

- Output Power 975W(180V-264V); 800W(90V-140V)
- Efficiency 80%@20%; 85%@50%; 80%@100% load.
- OVP +5V: <6.5V; +3.3V: <4.5V; +12V: <15.0V
- OCV 110% ~ 150%, peak current sustain 10Sec.
- OTP Auto Recover, if temp returns within Spec.
- SCP Latch off all main outputs reset by cycling on/off control or AC power

### SAFETY

- UL, cUL, TUV, CB, CE, CCC, BSMI

### OUTLINE DRAWING

