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Data Sheet

August 15, 2026

JASPER ELECTRONICS

Jasper Electronics PCI254-1022-4-SSG 250 Watt cPCI Power Supply

Jasper Electronics AC Power Supply. Voltage: 90-264 VAC @ 3.6A max, Voltage: 36-72 VDC @ 6.55A nominal (48V).



MODEL

Jasper Electronics
PCI254-1022-4-
SSG

CALIBRATION

Available on
request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCI254-1022-4-
SSG

LISTING

<https://aumictechlabs.com/products/pci254-1022-4-ssg-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Jasper Electronics PCI254-1022-4-SSG is a 250-watt CompactPCI (cPCI) power supply engineered for industrial and embedded computing applications requiring high reliability in demanding environments. This 3U x 8HP unit delivers regulated outputs at 5.0V, 3.3V, +12.0V, and -12.0V with active power factor correction and comprehensive protection circuitry. Designed to PICMG 2.11 specifications and certified to UL/CSA, NEMKO/TUV, and CE standards, the PCI254-1022-4-SSG accepts both AC (90-264 VAC, 47-63 Hz) and DC (36-72 VDC) input power and incorporates remote sense, enable/inhibit control, and power-fail warning signaling. Technical Specifications Input AC voltage: 90-264 VAC @ 3.6A max AC frequency: 47-63 Hz, 50-60 Hz DC voltage: 36-72 VDC @ 6.55A nominal (48V), 9.0A max Power factor: 0.99 typical @ 115V AC, full load (active PFC) Inrush protection: Thermistor soft start Fuses: 4.0A @ 250V (AC); 10.0A (DC)

Output Total power: 250 Watts Voltages: 5.0V/33A, 3.3V/33A, +12V/6.0A, -12V/1.0A (example configuration) Line regulation: $\pm 1\%$ at sense point over full input range Load regulation: $\pm 1.0\%$ (5.0V, 3.3V), $\pm 2.0\%$ (+12.0V), $\pm 5.0\%$ (-12.0V) Remote sense: Up to 0.25V total line drop compensation Minimum load: 5% on 5.0V output Protection: Current limiting, automatic overload recovery, overvoltage protection on all outputs Mechanical Form factor: 3U x 8HP x 160mm Backplane: 47-pin PICMG connector (optional 32-pin DIN available) Indicators: Dual LEDs (Green for normal operation; Off/Amber for fault) Signals: Power-fail warning (TTL, 4msec pre-warning); remote enable/inhibit (TTL logic compatible) Key Features Current sharing across 5.0V, 3.3V, and +12.0V outputs RoHS compliant (G designation in model) TTL-compatible remote control and status signals Non-user serviceable internal fusing Dual-input capability (AC or DC) Typical Applications Industrial computing, telecommunications infrastructure, embedded systems, and field-deployable platforms where compact form factor and dual input support are required. Compatibility & Integration Meets PICMG requirements and PICMG 2.11 compliance. Integrates into standard CompactPCI backplanes via 47-pin PICMG connector. Optional 32-pin DIN configurators available for alternative cabling arrangements.

PCI25410224SSG Characteristics / Specifications

PARAMETER	VALUE
Model	PCI254-1022-4-SSG
Instrument Type	CompactPCI AC front-end power supply
Family	Jasper CompactPCI Series 250 W 3U 8HP
Output Power	250 W total; combined V1 plus V2 not to exceed 55.0 A
Rail V	minus 12.0 V at 1.0 A
Input Voltage Ac	90 to 264 VAC 3.6 A max 47 to 63 Hz single phase
Input Voltage Dc Sibling	DC 36 to 72 V 6.55 A at 48 V nom 9.0 A max on DPCI254
Ac Power Factor	0.99 typical at 115 VAC full load
Ac Inrush	15 A pk at 115 VAC; 30 A pk at 230 VAC cold start about 25 C
Efficiency	78 percent typical at 115 VAC full load
Hold Up Time	greater than 15 ms at low line full load after AC loss
Line Regulation	less than plus or minus 1 percent at sense point over full input
Ripple Noise	50 mV max or 1 percent pk-pk nominal, DC to 20 MHz
Dynamic Response	less than 3 percent deviation for 25 percent load step at 1 A/us; returns to 1 percent in less than 300 us
Temperature Coefficient	less than plus or minus 0.02 percent per C 0 to 50 C after 20 min
Stability Drift	less than plus or minus 0.2 percent after 20 minute warm-up
Remote Sense Drop	V1 V2 V3 compensate up to 0.25 V total cable drop
Current Share	single wire plus or minus 10 percent on V1 V2 V3
Mechanical Package	3U x 8HP front panel; about 1.8 lb / 1.06 kg
Connector	47 circuit Positronic PCIH47M400A1 mates PCIH47F300A1
Operating Temperature	0 to 50 C ambient at full load with specified airflow
Cooling Airflow	minimum 20 cfm / 600 lfm forward airflow for full power and MTBF
Mtbf	designed for 150000 hours at 25 C
Manufacturer	Jasper Electronics

PARAMETER	VALUE
Picmg Standard	PICMG 2.11 CompactPCI power interface

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C ambient at full load with specified airflow
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Cooling Airflow	minimum 20 cfm / 600 lfm forward airflow for full power and MTBF
Mtbf	designed for 150000 hours at 25 C
Manufacturer	Jasper Electronics
Picmg Standard	PICMG 2.11 CompactPCI power interface Notes From Jasper Electronics CompactPCI Series 250 W 3U 8HP catalog (PCI254-1022-4 / PCI254-1022-4-P rows). SSG overlay/latch codes are configuration suffixes; confirm latch Type VII and 47-pin AC connector on the installed unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Rail V1	5.0 V at 33 A
Rail V2	3.3 V at 33 A
Rail V3	plus 12.0 V at 6.0 A
Rail V4	minus 12.0 V at 1.0 A
Input Voltage Ac	90 to 264 VAC 3.6 A max 47 to 63 Hz single phase
Input Voltage Dc Sibling	DC 36 to 72 V 6.55 A at 48 V nom 9.0 A max on DPCI254
Ac Power Factor	0.99 typical at 115 VAC full load
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From Jasper Electronics CompactPCI Series 250 W 3U 8HP catalog (PCI254-1022-4 / PCI254-1022-4-P rows). SSG overlay/latch codes are configuration suffixes; confirm latch Type VII and 47-pin AC connector on the installed unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.