



Product Information
SRS-3201-BLUBOXX

CompactPCI® Serial • Small System Racks

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Rugged, versatile, economic - the SRS-3201-BLUBOXX series of miniature CompactPCI® Serial IPC systems from EKF is suitable for all industrial requirements, even under harsh conditions. The small rack is built of high-quality 19-inch components. With its low dimensions of only 172mm x 168mm x 208mm (4U/32HP), the BLUBOXX provides space for up to five CompactPCI® Serial boards (single size Eurocard style). The BLUBOXX systems include a bottom mount fan unit and an industrial grade removable power supply.

CompactPCI® Serial (CPCI-S.0) is a PICMG® open standard for modular industrial computers, which provides high speed serial I/O (PCI Express®, SATA, USB, Gigabit Ethernet) over the backplane. The SRS-3201-BLUBOXX rack is equipped with a 5-slot backplane. While the system slot is reserved for a CompactPCI® Serial CPU card (4HP or 8HP front panel assembly width), two fat pipe peripheral slots (PCIe x 8) and another two standard peripheral slots are available for I/O cards and storage modules.



SRS-3201-BLUBOXX

Feature Summary

- ▶ Dimensions approx. 172mm x 168mm x 208mm (W x H x D) including fan unit (w/o tips)
- ▶ 4U/32HP 19-inch rack technology
- ▶ Removable tip up feet

- ▶ PICMG® CompactPCI® Serial standard (CPCI-S.0) backplane
- ▶ Integrated power supply slot 8HP
- ▶ Suitable for up to 5 CompactPCI® Serial cards 3U/4HP
- ▶ System slot (right) 4HP CPU card or 8HP assembly w. mezzanine side card
- ▶ 4 x peripheral slots, 2 x fat pipe, 2 x standard
- ▶ J6 Ethernet backplane routing according to CPCI-S.0 Single Star Architecture (option only, on request)

- ▶ Removable power supply 150W, wide AC input voltage range 90V - 264V
- ▶ Latching front panel AC power cord connector
- ▶ Option removable DC power supply 150W, 9V - 36V voltage range
- ▶ Screw lock male D-SUB 3W3 DC front panel power connector
- ▶ Direct power feed-through to CompactPCI® Serial boards via common backplane

- ▶ Bottom mount fan unit Pabst 120mm 12V 1.25W 94m³/h
- ▶ Wall mount option available

- ▶ Designed & manufactured in Germany
- ▶ ISO 9001 certified quality management
- ▶ Long term availability
- ▶ Rugged solution
- ▶ RoHS compliant
- ▶ Custom specific versions on request





SRS-BLUBOXX w. SC8-FLUTE CPU Card



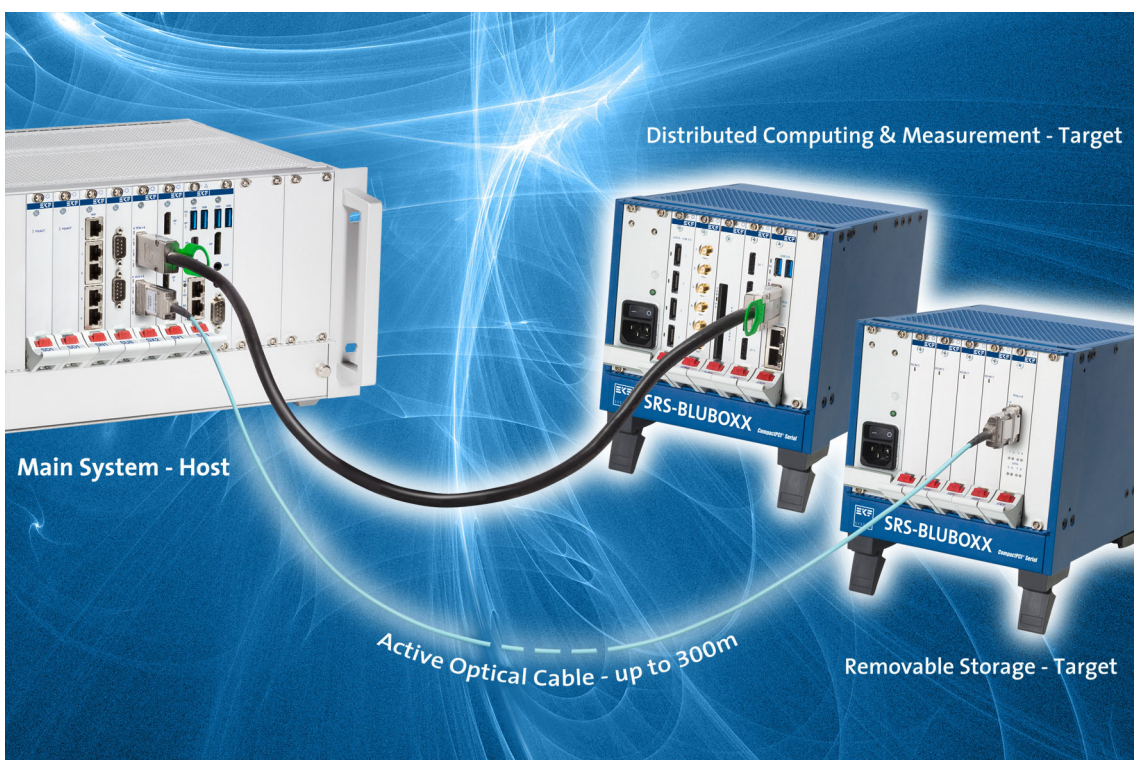


Sample System Configuration

SRS-BLUBOXX Links	
SRS-BLUBOXX Home	www.ekf.com/s/srs/srs3201/srs3201.html
CompactPCI® Serial Boards	www.ekf.com/s/serial.html
CompactPCI® Serial Overview	www.ekf.com/s/smart_solution.pdf

Ordering Information

For popular SRS-BLUBOXX SKUs please refer to
www.ekf.com/liste/liste_21.html#SRS



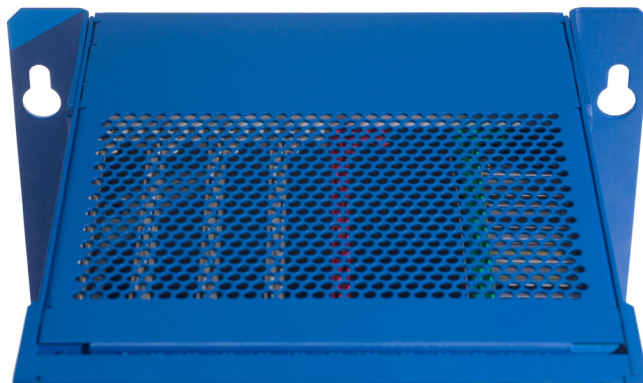


SRS-BLUBOXX w. DC Power Supply









Wall Mount Option

Power Supply Options		
AC Power Option		
Model	TreNew BPA-C150-120 (EKF part 350.9.BPAC150.2)	
Input voltage	90-264 VAC, Isolation >4kVDC	
Input connector	Front panel, IEC320-C14 inlet, latching power cable option	
DC Power Option		
Model	TreNew BPD-C150-120 (EKF part 350.9.BPDC150.1)	
Input voltage	9-36 VDC, Isolation >2.5kVDC	
Input connector	Front panel, screw lock, male D-SUB 3W3 power plug A1 = +VDC, A2 = PE, A3 = 0VDC seen from top (close to LEDs) to bottom (close to handle)	
Common Features		
Total Power	150W (minimum 10CFM fan cooling required) 100W (at natural convection)	
Outputs	+12V 12.5A max., +5V Standby 1.5A max.	
Efficiency	>90% @220VAC, >90% @9VDC	
Regulatory	CE compliant, EN55022 Class B, FCC Part 15 no UL/IEC/EN60950-1 certificate	
Operating temperature	0°C to +50°C continuous duty, full rating. Derates linearly to 50% of full rating @+71°C.	
Output connector	Amphenol FCI 51939 PwrBlade® series backplane connector	
Hold-up time	>=20ms	
Power fail time	FAL/PWR_FAIL signal goes low > 1ms prior to outputs going out of regulation	
Input OVP	Set at 115% to 135%, latching (power must be recycled to restart)	
Short-circuit protection	Withstands continuous output short-circuit fault	
Overload protection	Output voltage reduced to safe level if power rating exceeds > 110% rated maximum power	
LED indicators	Steady green = power good Blinking green = standby	Steady yellow = voltage or temperature fault Blinking yellow = voltage or temperature warning
Dimensions	3U, 8HP	

Specifications are subject to change without notice

For a detailed datasheet please contact info@trenew.ch

Warning: Remove power chord before removing the power supply



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EKF High Performance Embedded

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