



Product Information

## CR5-65-RACK

19-Inch Rack

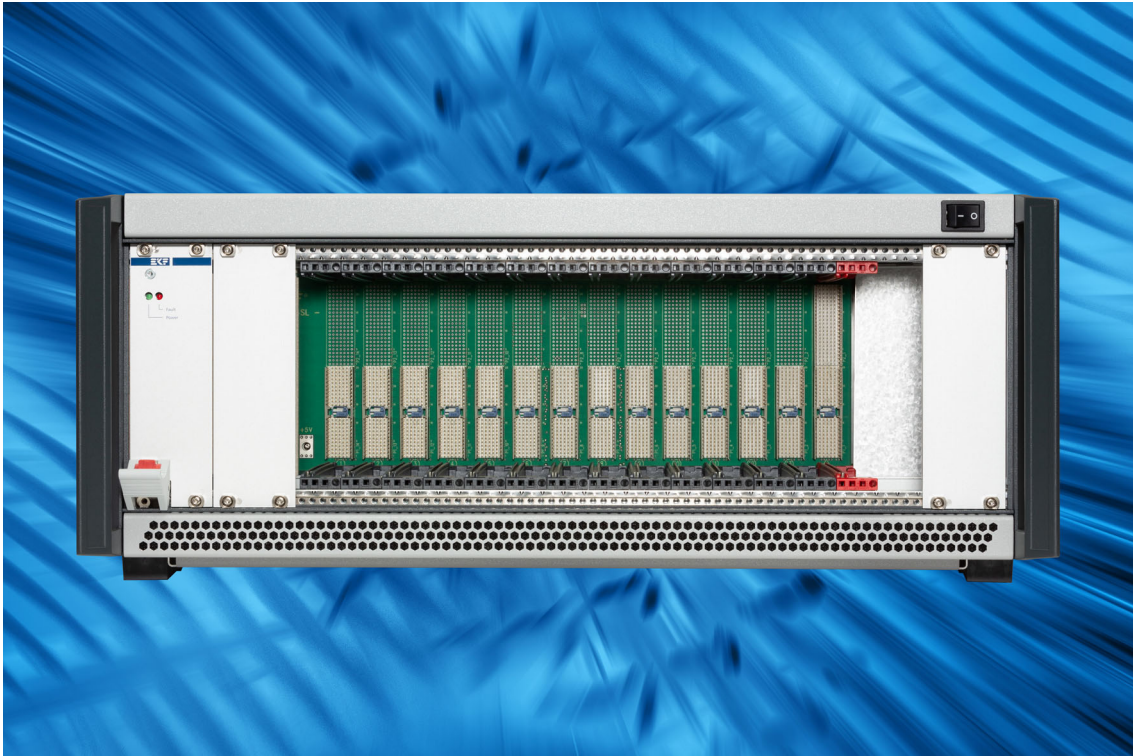
CompactPCI® • 14-Slot Backplane

System Rack for Industrial Applications



*EKF continues supporting CompactPCI® classic systems. The CR5-65-RACK is equipped with a 14-slot CompactPCI® backplane, for up to 13 CompactPCI® 32-bit peripheral cards, and a CompactPCI® or CompactPCI® PlusIO System Slot CPU board with or w/o side card.*

The 3U/84HP rack is provided with a removable 250W 100-240VAC power supply and three top mount centrifugal blowers. All components were chosen for high reliability, as required e.g. for industrial usage and rugged applications.



## Feature Summary

### General

- ▶ 19-inch rack with a CompactPCI® 32-bit backplane
- ▶ System slot suitable for 3U CompactPCI® classic or CompactPCI® PlusIO CPU card
- ▶ 13 peripheral card slots 32-bit 3U/4HP
- ▶ Backplane equipped with PCI® to PCI® bridge (6 primary + 7 secondary peripheral slots)
- ▶ Pluggable AC power supply 250W, wide input range
- ▶ Dimensions 4U/84HP 448.9mm x 221.5mm x 315.5mm (W x H x D)
- ▶ Integrated fans

### Card Slots

- ▶ PICMG® CompactPCI® classic backplane
- ▶ Suitable for CompactPCI® cards 3U/4HP, IEEE card guide rails
- ▶ CompactPCI® system slot (CPU card) right aligned, 4HP or 8HP assembly (side card), P1/P2 connector
- ▶ Recommended CPU card PC7-FESTIVAL (32-bit PCI®, CompactPCI® PlusIO J2/P2 connector assignment)
- ▶ 6 x CompactPCI® 32-bit primary peripheral slots 3U/4HP
- ▶ PCI® to PCI® bridge 32-bit primary to secondary section
- ▶ 7 x CompactPCI® 32-bit secondary peripheral slots 3U/4HP
  
- ▶ Positronic 47-pin card slot for power supply 3U/8HP

### AC Power Supply

- ▶ Removable power supply, quad output, industrial use
- ▶ Compliant to PICMG® power interface specification for CompactPCI® systems
- ▶ Power rating 250W
- ▶ Input range 90-264VAC 47-63Hz (rated 100-240VAC 50/60Hz), PFC
- ▶ Outputs +5V/25A • +3.3V/20A • +12V/5.5A\* • -12V/2A
- ▶ No minimum load required
- ▶ Isolation voltage 1500VAC/2200VDC
- ▶ Short circuit & overload protection, thermal protection
- ▶ Operating temperature -40°C to +50°C
- ▶ Safety approvals: EN 50514 and IEC/EN 60950
- ▶ Positronic 47-pin connector
- ▶ AC mains rear power inlet (IEC plug)

\* 12VDC blowers require ~1.675A

## Feature Summary

*Cooling*

- ▶ 3 x Top mount 12VDC 6.7W centrifugal blowers 100mm 3300rpm
- ▶ Ball bearing, 100,000h @25°C
- ▶ 21.5CFM, 190Pa
- ▶ Airflow from bottom (front vents) to top (rear vents)

*Applications*

- ▶ High reliable industrial computing
- ▶ Test equipment
- ▶ Instrumentation
- ▶ Can replace PXI™ systems at lower investment
- ▶ Custom specific modifications on request

*Regulatory*

- ▶ Designed & manufactured in Germany
- ▶ ISO 9001 certified quality management
- ▶ Long term availability
- ▶ Rugged solution
- ▶ RoHS compliant
- ▶ Rack complies with: IEC 60297-3-101; IEC 60297-3-102; IEEE 1101.1; IEEE 1101.10; IEEE 1101.11
- ▶ Power supply complies with EN 61000-6-2:2005/AC:2005, 61000-4-2/3/4/5/6, EN 61000-3-2/3, EN 55011, EN 50514, IEC/EN 60950 and others

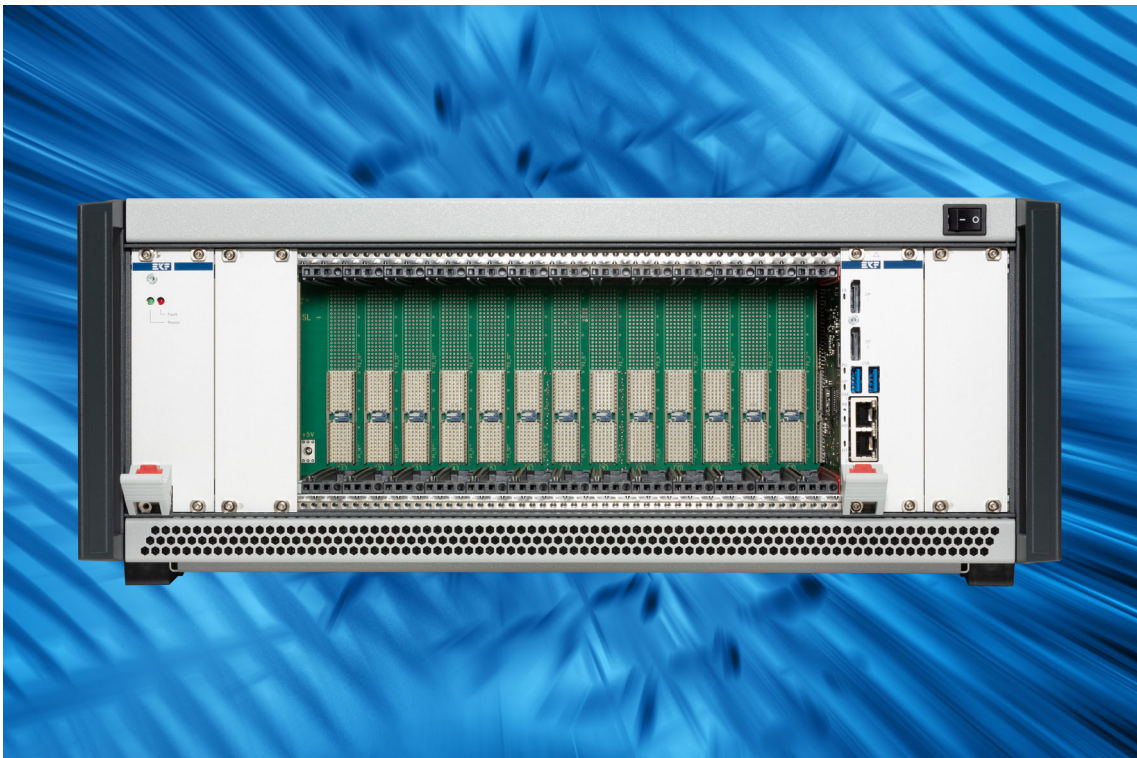
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## Related Documents

*CPU Cards*

PC7-FESTIVAL

<https://www.ekf.com/p/pc7/pc7.html>



CPU card shown for demonstration only, not scope of delivery



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boards. systems. solutions.



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EKF High Performance Embedded

Document No. 10217 • 21 February 2023

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