



Product Information

3U CompactPCI® IPC CRB-BLUELINE Small Systems

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Rugged, expandable, economic - the new CRB-BLUELINE series of miniature CompactPCI® 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 172x132x208mm (3U/30HP), the BLUE LINE provides space for a maximum of 4 CompactPCI modules (single size Eurocard style). The BLUE LINE systems include a high-grade removable power supply.

EKF offers a wide range of scalable CPU boards suitable for the BLUE LINE to choose from, beginning with the ULV Celeron® 400MHz processor up to the Pentium® M 2GHz.

A mass storage device, either 2.5- or 1.8-inch hard disk, or a CompactFlash card (Microdrive), is integral part of the CPU module. Cooling by natural convection is already sufficient for low power processor boards.



CRB-BLUELINE Small Expandable Systems

Available as accessories, the *BLUE LINE* can be equipped with wall or bottom mount brackets. A silent 120mm x 120mm cooling fan unit is provided as an option for such high performance CPU boards which require forced convection.

When combined with a CompactPCI CPU card such as the CC2-TANGO, CC3-CAJUN, CC9-SAMBA or CCD-CALYPSO, a *BLUE LINE* system supersedes entirely an industrial PC. Another three CPCI slots are available for application specific system expansion. Thanks to the modular, non-proprietary concept, a *BLUE LINE* system can be reconfigured or upgraded in just a few minutes, reducing potential breakdown times to a minimum.

The overall reliability of any system depends in particular on the quality of its power supply unit. *BLUE LINE* systems are provided with a removable, high-grade industrial PSU from a leading German manufacturer. As of current, the *CRB-BLUELINE* systems can be equipped with PSU versions suitable either for 120/230VAC, 24VDC or 12VDC power line input (automotive applications). The *BLUE LINE* is a long-time available and scalable IPC system, combining high reliability and small size with an affordable price, thus forming the better alternative compared to many other PC based solutions. Please request for custom specific versions, tailored to your individual needs. Quality pays, its up to you!



CRB-BLUELINE with Fan Unit for High Performance CPU Usage

Technical Summary <i>CRB-BLUELINE</i>	
General	3U rack/enclosure 30HP, shielded, equipped with tip up feet, ready for installation of 1 x system slot CompactPCI CPU card 3U/4HP (w/o companion board) or 8HP (with companion board), 3 x peripheral slot CPCI cards 3U/4HP (blind panels included), equipped with 1 x CPCI PSU 3U/10HP, according to IEEE1101.10, shock- and vibration according to IEC 61587-1 and Bahn-Norm BN 411002/BN 411003
Dimensions	<ul style="list-style-type: none"> ▶ ~ 172mm (width) x 132mm (height) x 208mm (depth), measured w/o tip up feet or accessories ▶ ~ 166mm (height) with top mount fan unit
CompactPCI Bus	<ul style="list-style-type: none"> ▶ 1 x P1/P2 system slot, right side (red card rails) ▶ 3 x P1 peripheral slots (blind panels included) ▶ CompactPCI 32-bit, +5V VIO (+3.3V VIO on request) ▶ 1 x M connector for PSU slot, left side
PSU (AC Version)	<ul style="list-style-type: none"> ▶ Removable, 3U/10THP, permanently short circuit proof, over-voltage protection primary/secondary ▶ Ambient temperature -25°C ... +70°C (derating 2%/K above 50°C), protected against overheating ▶ Line input 90-138VAC/187-264VAC 50/60Hz (changing automatically), input connector IEC320/C5 ▶ Outputs +5V/8A, +3.3V/10A, M24/8 connector matching the backplane, SELV according to EN 60950 ▶ Power cord and fastener bracket included
Fan Unit (optional)	<ul style="list-style-type: none"> ▶ 120mm x 120mm, silent type, 5V DC, 2.1W, air flow 1.66m³/min 58.6CFM, 1850rpm, 29dbA ▶ provided with CRB-4(5,6)-BLUELINE
EC Regulations	<ul style="list-style-type: none"> ▶ EN55022, EN55024, EN60950-1 (UL60950-1/IEC60950-1) ▶ 2002/95/EC (RoHS)
Accessories (optional)	<ul style="list-style-type: none"> ▶ Wall mount brackets ▶ Bottom mount brackets

subject to changes





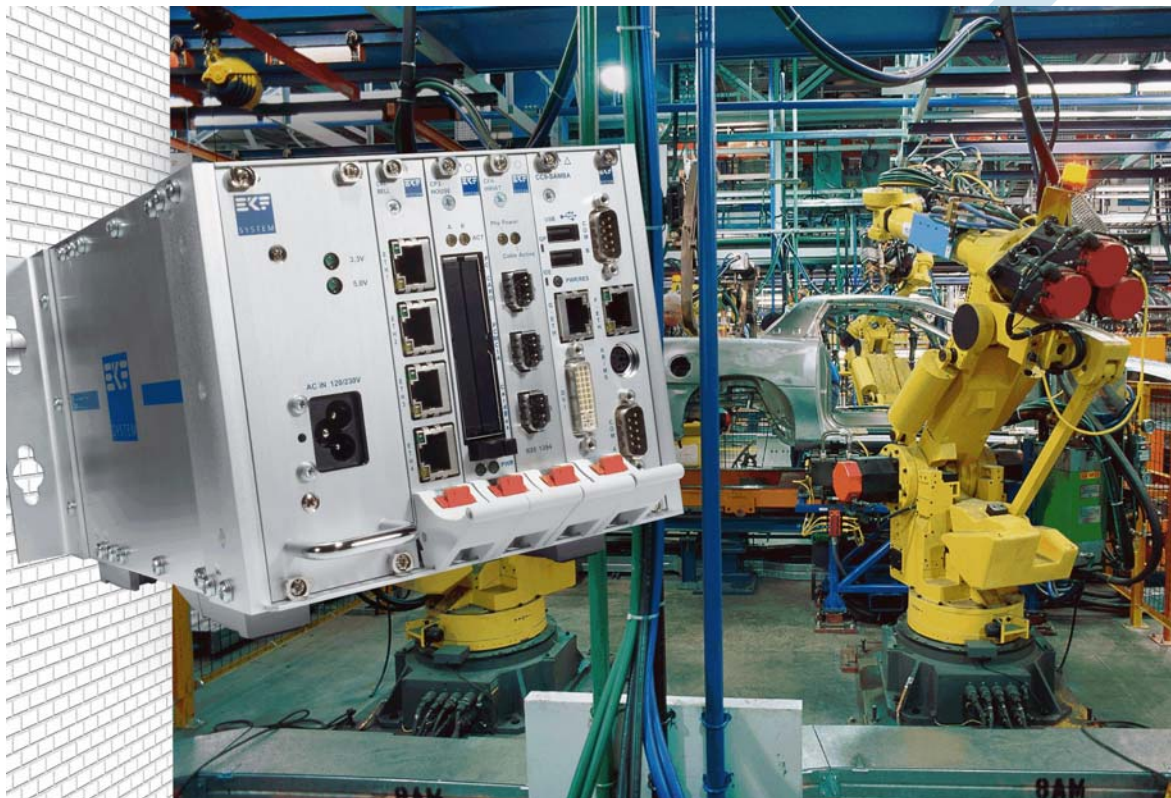
CRB-BLUELINE with Wall Mount Brackets



AC Power Cord Fastener

Ordering Informationen		
Alias	Order-No.	Short Description
BLUE LINE	CRB-1-BLUELINE	Rack 3U/30HP ~ 172mm (width) x 132mm (height) x 208mm (depth), with CompactPCI backplane, with removable power supply 70W 120/230VAC
BLUE LINE	CRB-2-BLUELINE	similar to CRB-1-BLUELINE, with removable PSU 70W 24VDC
BLUE LINE	CRB-3-BLUELINE	similar to CRB-1-BLUELINE, with removable PSU 70W 12VDC
BLUE LINE	CRB-4-BLUELINE	Rack 3U/30HP ~ 172mm (width) x 166mm (height) x 208mm (depth), with top mount fan unit, with CompactPCI backplane, with removable power supply 70W 120/230VAC
BLUE LINE	CRB-5-BLUELINE	similar to CRB-4-BLUELINE, with removable PSU 70W 24VDC
BLUE LINE	CRB-6-BLUELINE	similar to CRB-4-BLUELINE, with removable PSU 70W 12VDC
BLUE LINE	CRB-7-BLUELINE	Kit wall mount brackets
BLUE LINE	CRB-8-BLUELINE	Kit bottom mount brackets
TANGO	CC2-1-TANGO	CPU Board 4HP with ULV Celeron® 400MHz processor
CAJUN	CC3-1-CAJUN	CPU Board 4HP with ULV Celeron® 400MHz processor
ACID	CC6-3-ACID	Option I/O mezzanine module (companion board) 4HP, suitable for CC2-TANGO and CC3-CAJUN
	CC6-8-HDK	Option hard disk 2.5-inch (assembled on CC6-ACID)
SAMBA	CC9-1-SAMBA	CPU Board 4HP with ULV Celeron® M 600MHz processor
SAMBA	CC9-2-SAMBA	CPU Board 4HP with ULV Celeron® M 373 1GHz processor
SAMBA	CC9-3-SAMBA	CPU Board 4HP with LV Pentium® M 738 1.4GHz processor
SAMBA	CC9-5-SAMBA	CPU Board 4HP with Pentium® M 745 1.8GHz processor
CALYPSO	CCD-6-CALYPSO	CPU Board 4HP with Pentium® M 760 2.0GHz processor
LAMBADA	CCA-1-LAMBADA	Option I/O mezzanine module (companion board) 4HP, suitable for CC9-SAMBA and CCD-CALYPSO
	CCA-8-HD	Option hard disk 2.5-inch (assembled on CCA-LAMBADA)
BOSSANOVA	CCB-1-BOSSANOVA	Option I/O mezzanine module (companion board) 4HP, suitable for CC9-SAMBA and CCD-CALYPSO
	CCB-8-HD	Option hard disk 2.5-inch (assembled on CCB-BOSSANOVA)

for detailed information regarding CPU boards please visit
www.ekf.com/c/ccpu/ccpu.html



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