

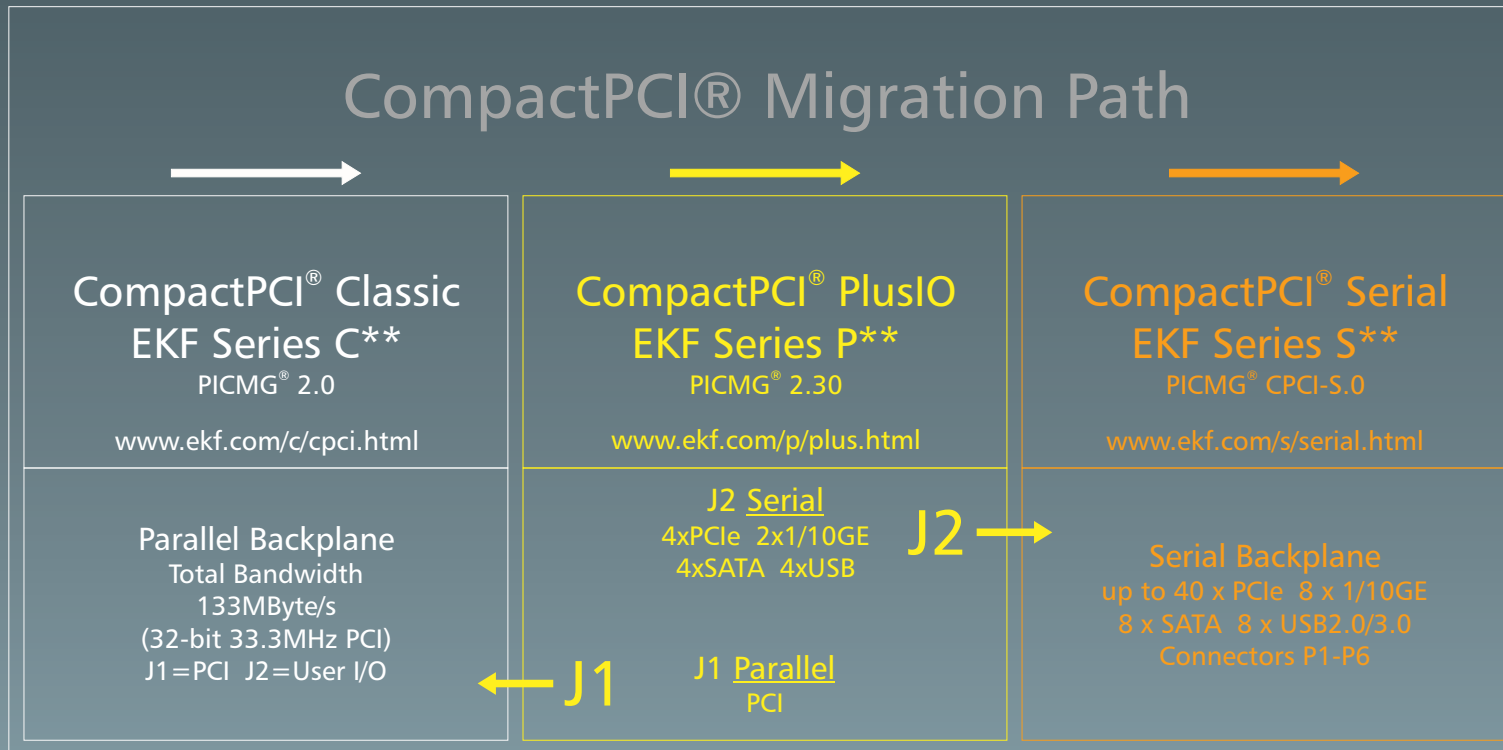
***CompactPCI<sup>®</sup> PlusIO ...***



***... hybrid CompactPCI<sup>®</sup> & CompactPCI<sup>®</sup> Serial***

# CompactPCI® goes Serial

A CompactPCI® PlusIO CPU card in the middle of a hybrid common backplane allows employment of both - CompactPCI® Classic and CompactPCI® Serial peripheral boards in one system



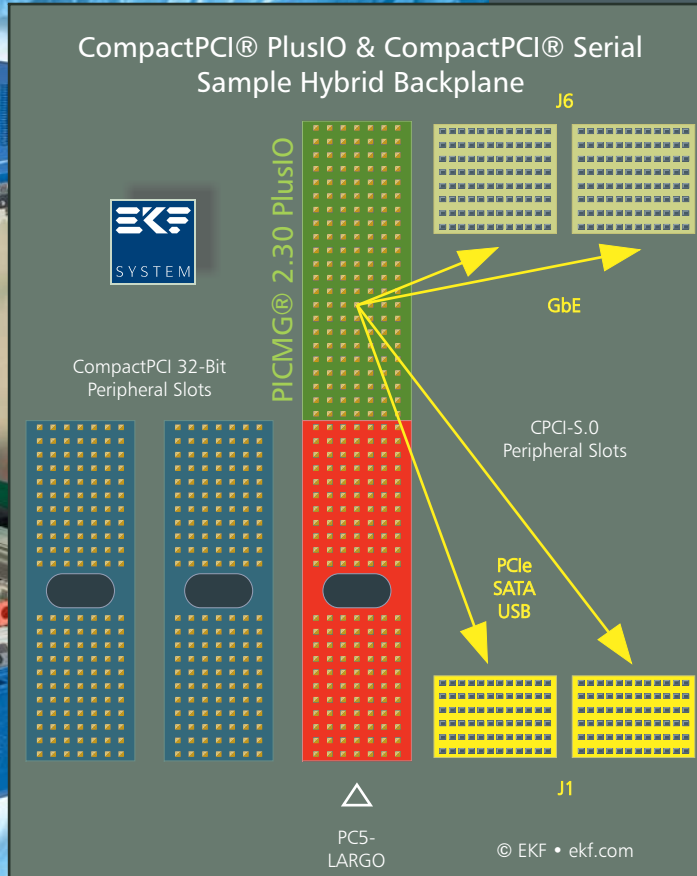
J2 is a High Speed Signal UHM Connector  
Usage for RIO or routed to CompactPCI® Serial Backplane slots

CompactPCI® PlusIO (PICMG® 2.30) • CompactPCI® Serial (PICMG® CPCI-S.0)

# CompactPCI® PlusIO & CompactPCI® Serial Hybrid Backplane

New defined CPCI PlusIO system slot J2/P2 delivers high speed serial I/O to CPCI Serial peripheral slots: PCIe SATA USB GbE

CompactPCI® PlusIO - the best of two worlds joined



[www.ekf.com/s/srp/srp3201/srp3201.html](http://www.ekf.com/s/srp/srp3201/srp3201.html)  
[www.ekf.com/s/srp/srp3202/srp3202.html](http://www.ekf.com/s/srp/srp3202/srp3202.html)

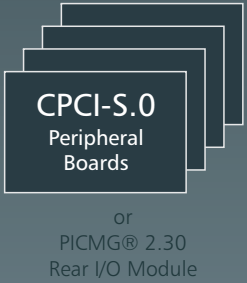
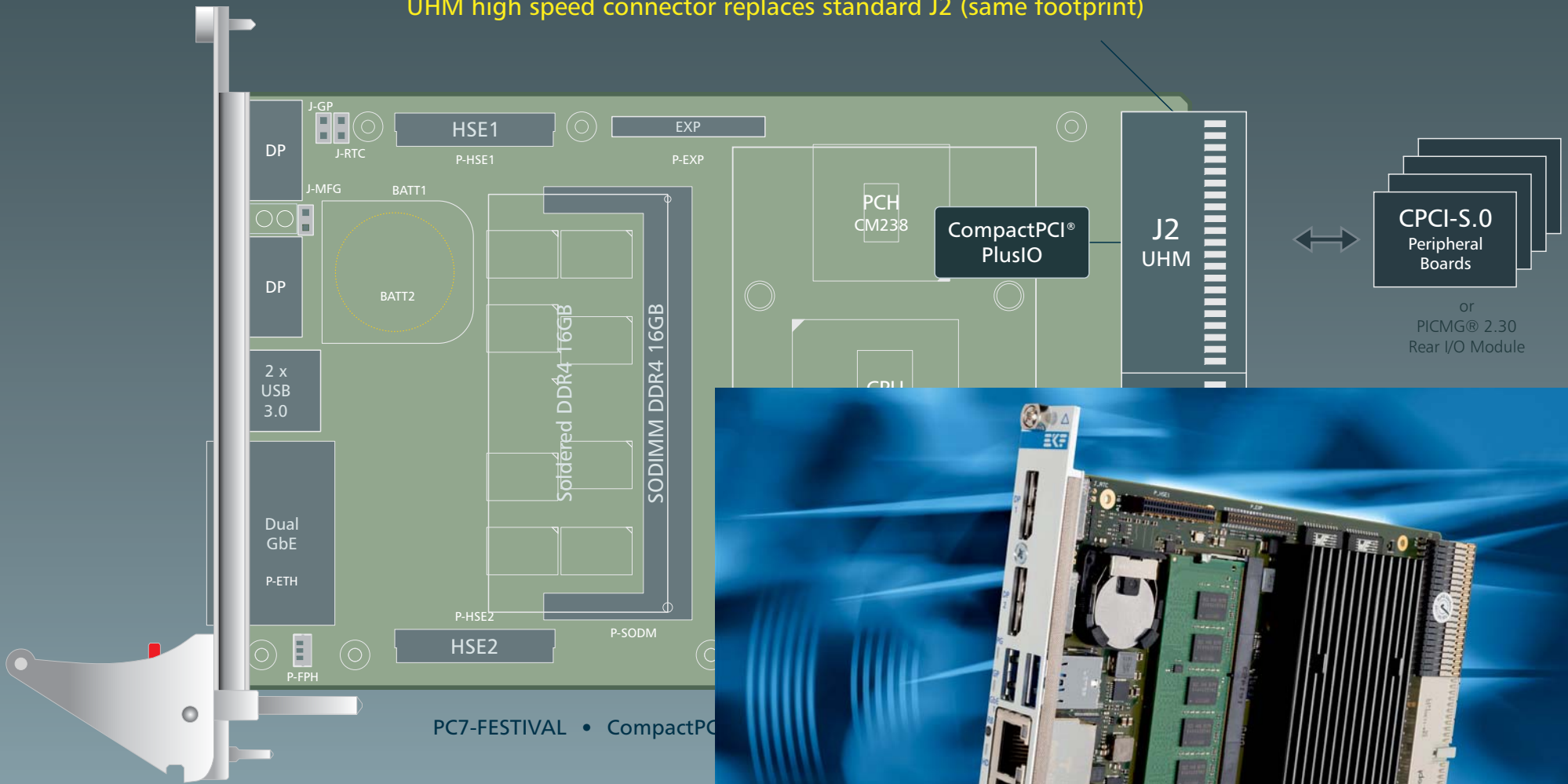


SRP-3201-BLUBOXX

# CompactPCI® PlusIO CPU Card

A CompactPCI® PlusIO CPU card opens the migration path to CompactPCI® Serial while maintaining compatibility to 32-bit CPCI classic systems  
UHM high speed connector replaces standard J2 (same footprint)

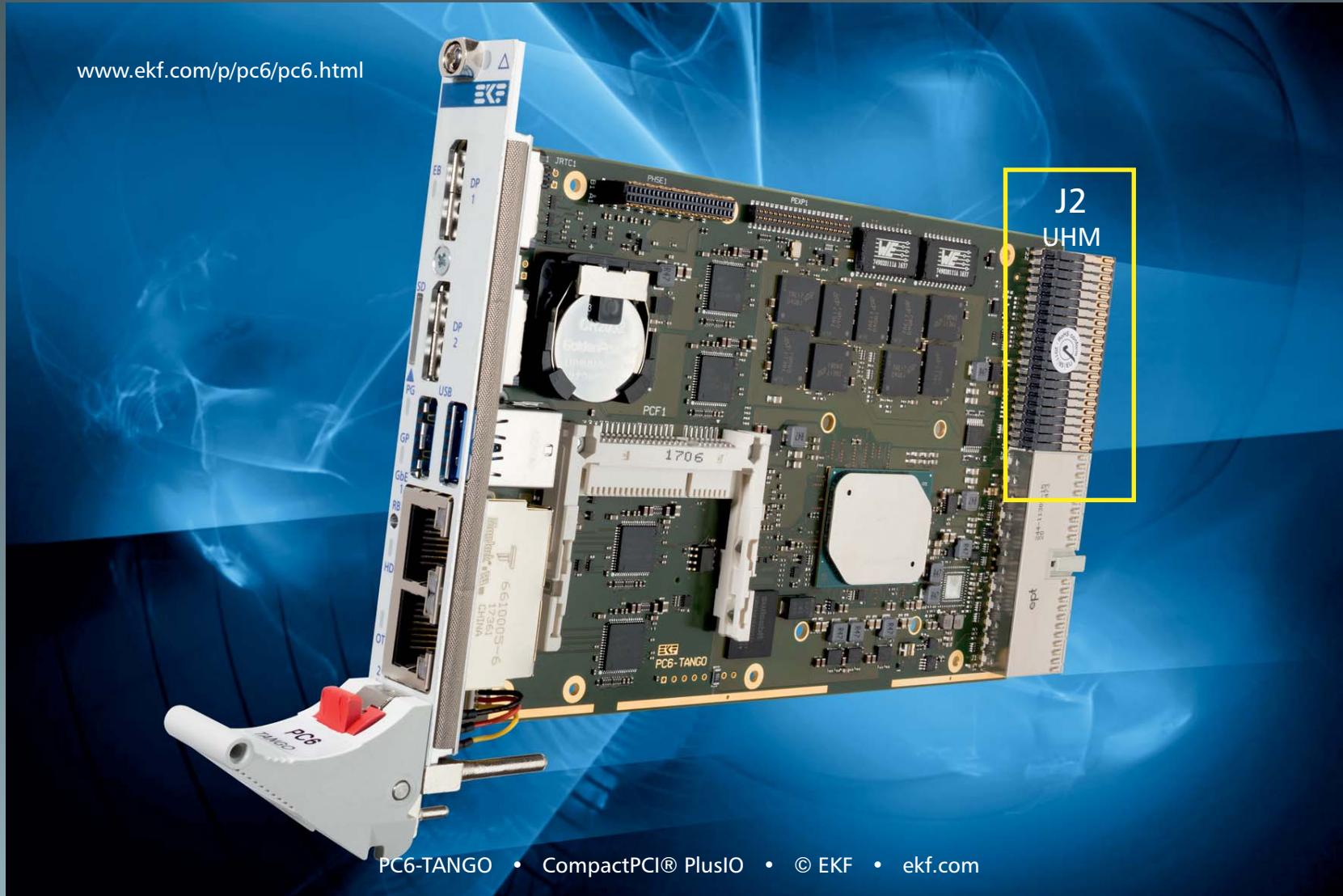
CompactPCI® PlusIO - the best of two worlds joined



# CompactPCI® PlusIO CPU Card

The CompactPCI® PlusIO connector J2 is a high speed signal receptacle (same dimensions as classic J2)

[www.ekf.com/p/pc6/pc6.html](http://www.ekf.com/p/pc6/pc6.html)



PC6-TANGO • CompactPCI® PlusIO • © EKF • ekf.com

# CompactPCI® PlusIO CPU Card

Low Power CPU • PC6-TANGO • Intel® Atom™ E3900 SoC (Apollo Lake)

[www.ekf.com/p/pc6/pc6.html](http://www.ekf.com/p/pc6/pc6.html)



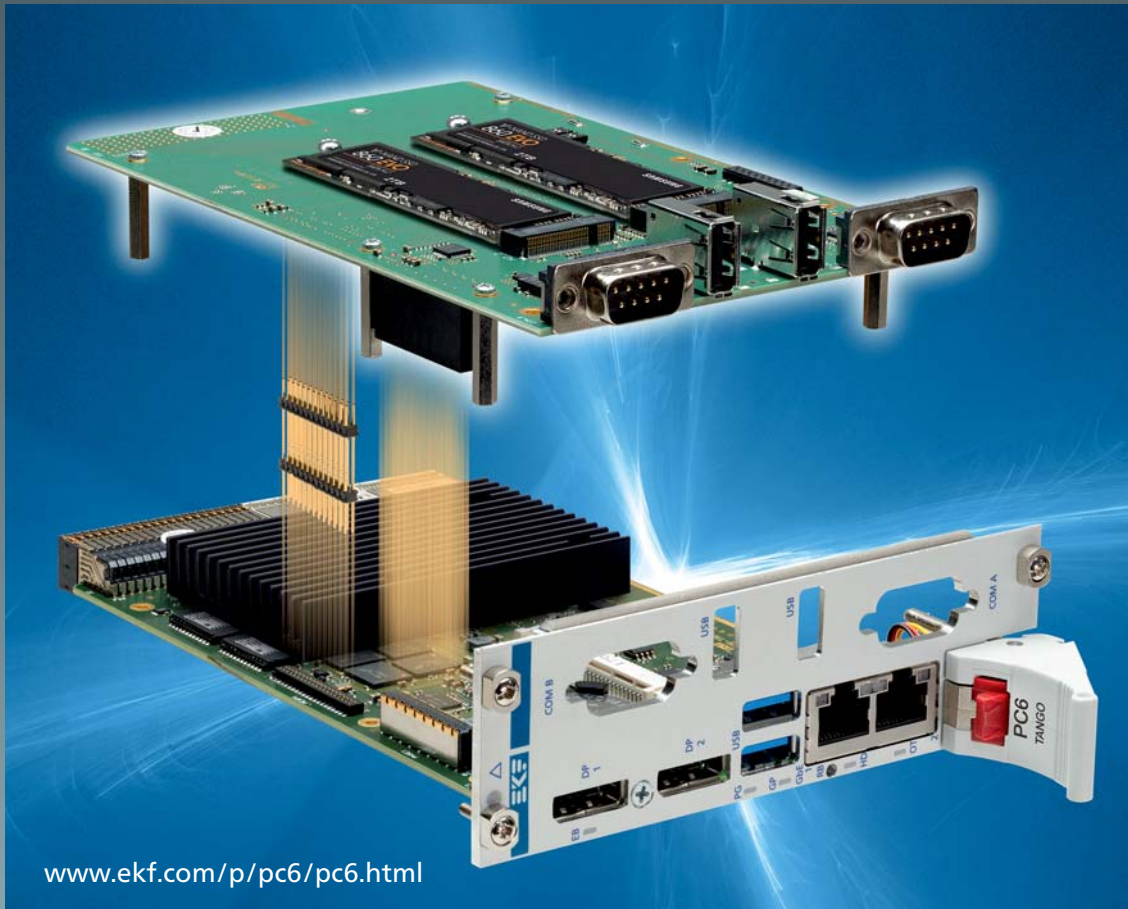
CompactPCI® PlusIO - the best of two worlds joined

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# CompactPCI® PlusIO CPU Card

Low Power CPU • PC6-TANGO • Intel® Atom™ E3900 SoC (Apollo Lake)

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# CompactPCI® PlusIO CPU Card

Performance CPU • PC7-FESTIVAL • Intel® Xeon® E3 v6 Processor

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[www.ekf.com/p/pc7/pc7.html](http://www.ekf.com/p/pc7/pc7.html)



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# CompactPCI® PlusIO CPU Card

Performance CPU • PC7-FESTIVAL • Intel® Xeon® E3 v6 Processor

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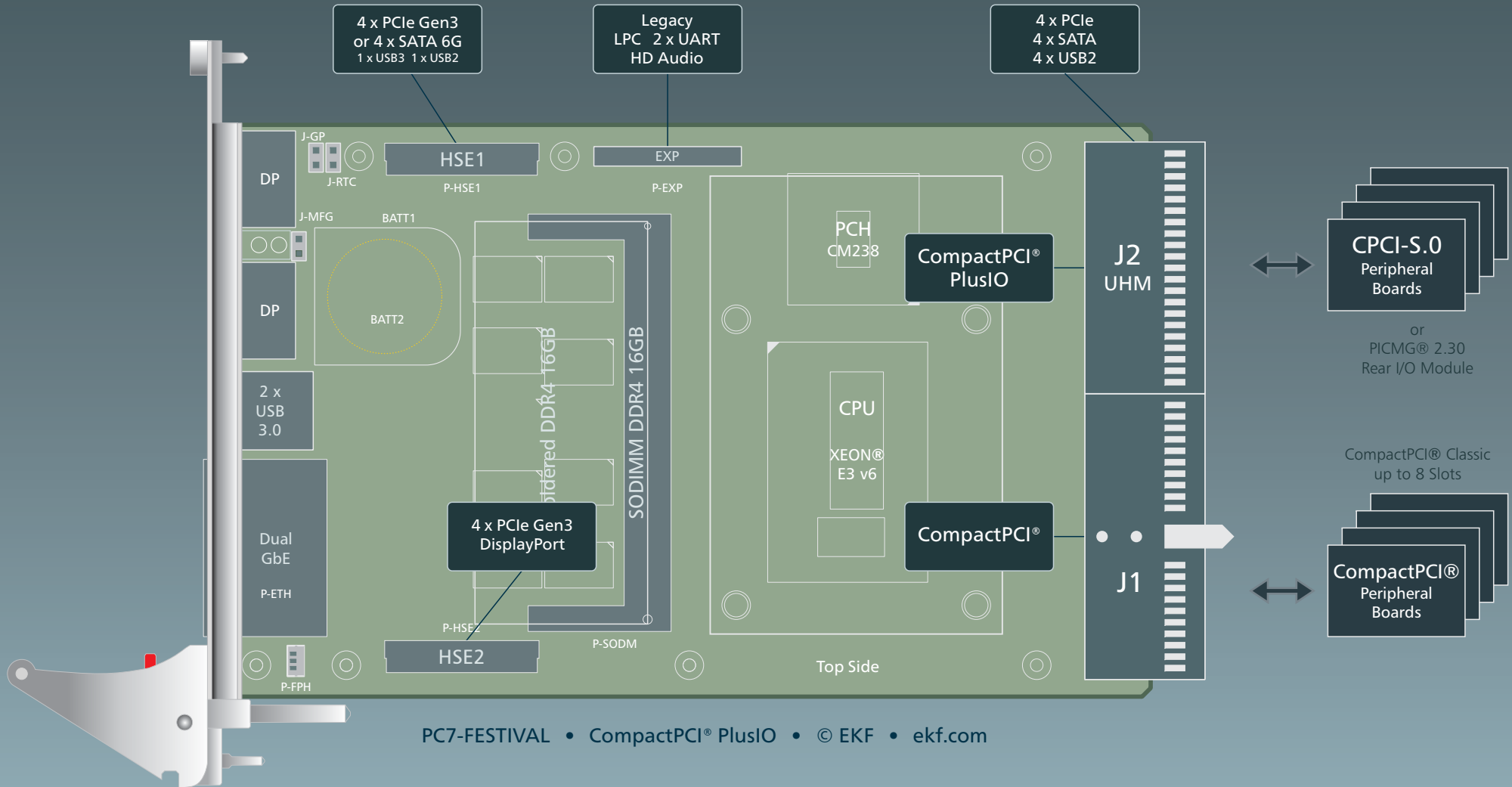
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# CompactPCI® PlusIO CPU Mezzanine Expansion

Side board I/O connectors for mezzanine expansion available on EKF CPU cards

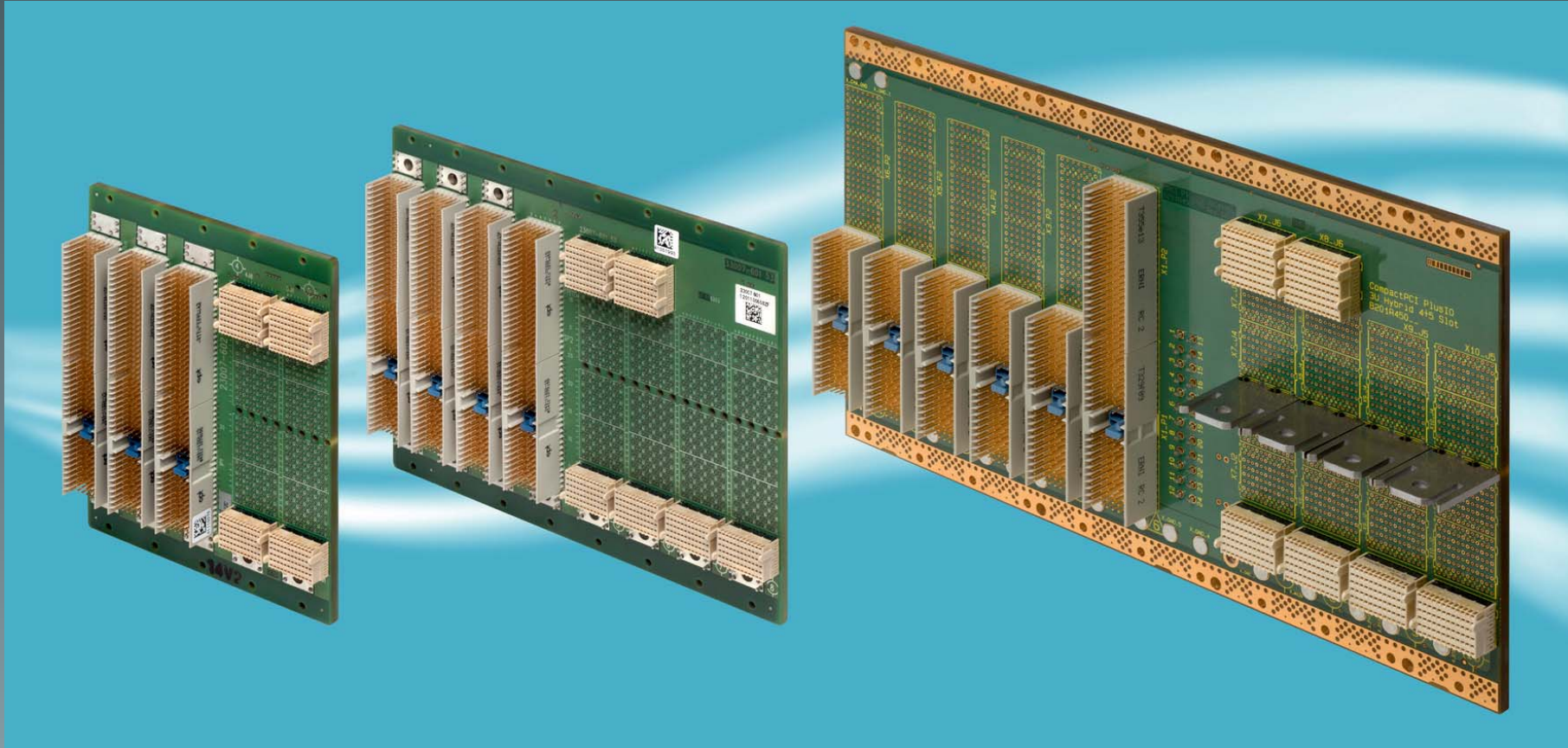


CompactPCI® PlusIO - the best of two worlds joined

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## CompactPCI® Classic & CompactPCI® Serial Dual-Backplanes

Thanks to PlusIO, hybrid backplanes allow concurrent usage of CPCI Classic cards and CPCI Serial boards  
Hybrid backplanes are available with an empty slot for 8HP PlusIO CPU board & mezzanine side card assembly



Sample Hybrid Backplanes CompactPCI® Classic & CompactPCI® Serial

The CompactPCI® PlusIO system slot is located in the middle

# CompactPCI® Classic & CompactPCI® Serial Dual-Systems

Hybrid systems allow concurrent usage of CPCI® Classic cards and CPCI® Serial boards



High Performance Embedded Made in Germany



boards. systems. solutions.