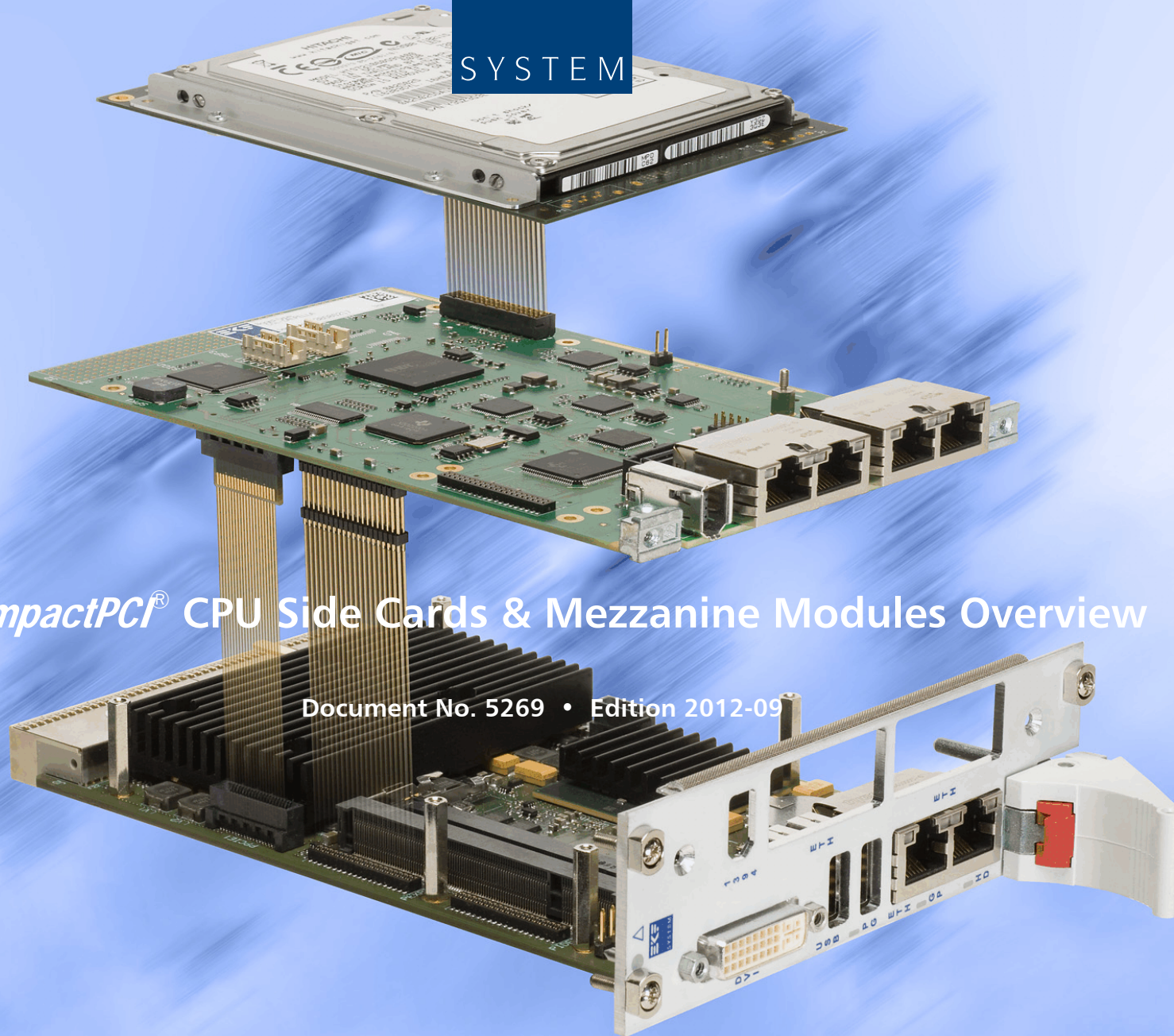




SYSTEM

CompactPCI® CPU Side Cards & Mezzanine Modules Overview

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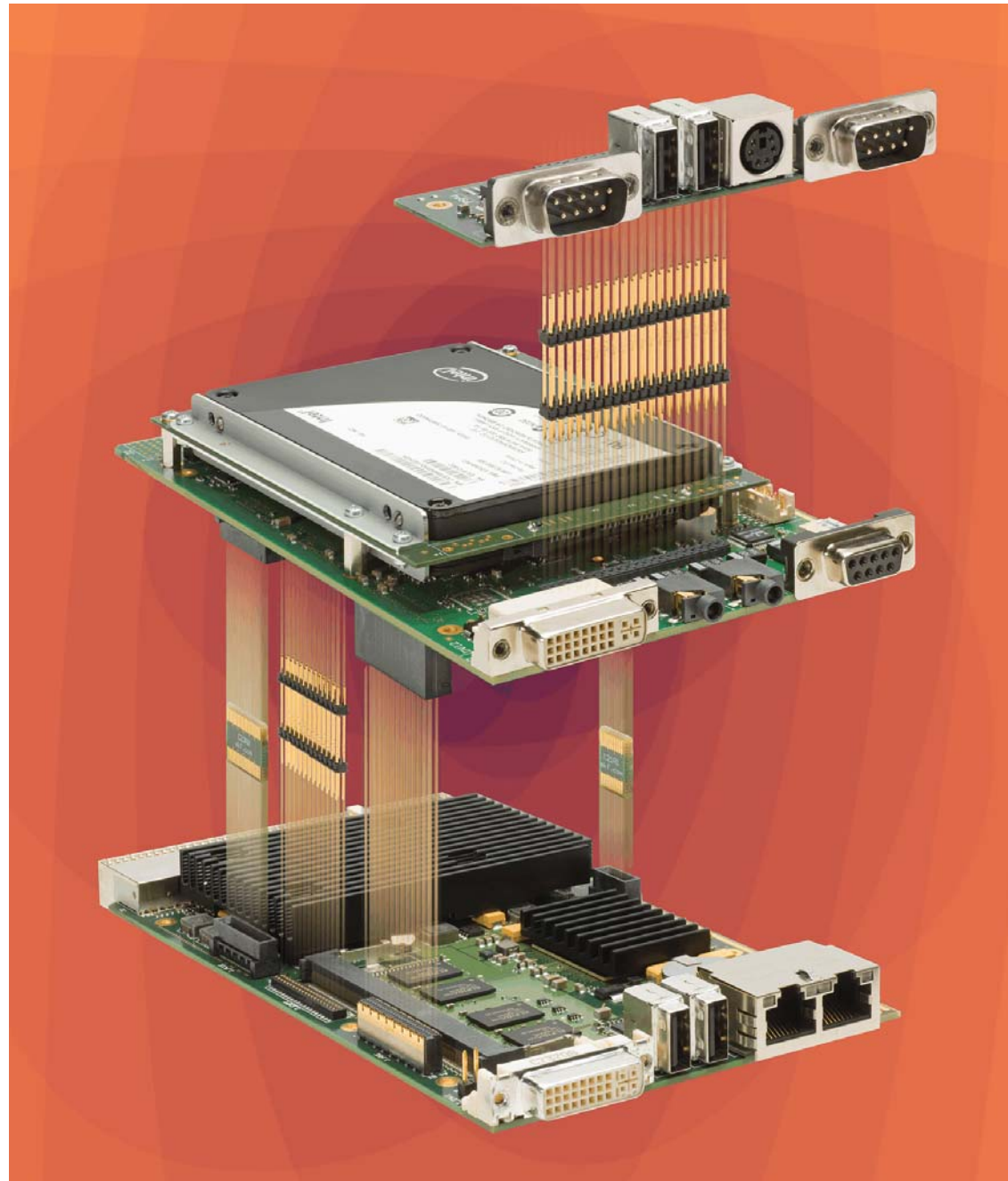
CompactPCI® CPU Side Cards & Mezzanine Modules Overview

Mezzanine Module Side Board	Target Application	Assembly Envelope	CPU/Host Expansion Port	CCM-BOOGIE	PC1-GROOVE	PC2-LIMBO	SC1-ALLEGRO
C15-DON	Mezzanine Module: on-Board USB Receptacle (e.g. for USB Stick) www.ekf.com/ccpu/c15/c15_pie.pdf	4HP	EXP	✓	✓	✓	✓
C20-SATA	Mezzanine Module: Single/Dual SATA Drive(s) 2.5-Inch Available in Addition to Certain PCI Express Based Mezzanine Modules www.ekf.com/ccpu/c20/c20_tie.pdf	8HP 12HP		✓	✓	✓	✓
C23-SATA	Expansion Side Board: SATA/PATA Controller • 3 x COM/RS-232 (1 x RS-485) • FWH • TPM • AC'97 • USB • USB SSD www.ekf.com/ccpu/c23/c23_tie.pdf	8HP	EXP PCIE	✓	✓	✓	✓
C32-FIO	Mezzanine Module: Front Panel I/O (2 x COM, 2 x USB, PS/2) Side Board Expansion for CCO-CONCERT www.ekf.com/ccpu/c32/c32_tie.pdf	12HP	FIO	✓	✓	✓	✓
C33-DON	Mezzanine Module: Bottom Mount Alternate to C15-DON www.ekf.com/ccpu/c15/c15_pie.pdf	8HP	EXP	✓	✓	✓	✓
C40-SCFA	Mezzanine Module: CompactFlash Adapter, Single/Dual USB SSD www.ekf.com/ccpu/c40/c40_tie.pdf	4HP	HSE	✓	✓	✓	✓
C41-CFAST	Mezzanine Module: Cfast™ Card Adapter, SATA, Option USB SSD www.ekf.com/ccpu/c41/c41_tie.pdf	4HP	HSE	✓	✓	✓	✓
C42-SATA	Mezzanine Module: 1.8-Inch Micro SATA Solid State Drive (SSD) www.ekf.com/ccpu/c42/c42_tie.pdf	4HP	HSE	✓	✓	✓	✓
C43-SATA	Mezzanine Module: SATA Connectors, USB Connectors, USB SSD www.ekf.com/ccpu/c43/c43_tie.pdf	4/6HP	HSE	✓	✓	✓	✓
C44-SATA	Expansion Side Board: 2.5-Inch SATA Hard Disk or Solid State Drive (SSD), eSATA & USB F/P www.ekf.com/ccpu/c44/c44_tie.pdf	6/8HP	HSE	✓	✓	✓	✓
C45-SATA	Expansion Side Board: 1.8-Inch Micro SATA Solid State Drive (SSD), eSATA & USB F/P www.ekf.com/ccpu/c45/c45_tie.pdf	6/8HP	HSE	✓	✓	✓	✓
C47-MSATA	Mezzanine Module: Dual mSATA SSD sockets (RAID Option) www.ekf.com/ccpu/c47/c47.html	4HP	HSE	✓	✓	✓	✓
C63-SATA	Mezzanine Module: Two internal SATA connectors, one F/P SATA connector, www.ekf.com/ccpu/c63/c63_pano_10x15.jpg	6/8HP	HSE	✓	✓	✓	✓

CompactPCI® CPU Side Cards & Mezzanine Modules Overview

Mezzanine Module Side Board	Target Application	Assembly Envelope	CPU/Host Expansion Port	CCM-BOOGIE	PC1-GROOVE	PC2-LIMBO	SC1-ALLEGRO
CCI-RAP	Expansion Side Board: Dual PCI Express Mini Card Sockets (Wireless Modules) • SATA/PATA Controller • C20-SATA 2.5-Inch SATA or C30-PATA 1.8-Inch Mezzanine Module (alternatively C10/C17 CF Card Adapter) • COM/RS-232 • IEEE1394 (FireWire) • FWH • TPM • USB SSD • DVI Video www.ekf.com/c/ccpu/cci/cci_tie.pdf	8HP 12HP	EXP PCIE SDVO	✓	✓	✓	✓
CCK-MARIMBA	Expansion Side Board: Carrier for 32bit PMC or PCIe x 4 XMC Module • SATA/PATA Controller • C20-SATA 2.5-Inch SATA Mezzanine Module • FWH • TPM • USB SSD www.ekf.com/c/ccpu/cck/cck_tie.pdf	8HP 12HP	EXP PCIE	✓	✓	✓	✓
CCL-CAPELLA	Expansion Side Board: Quad Gigabit Ethernet Controller • SATA/PATA Controller • C20-SATA 2.5-Inch SATA or C30-PATA 1.8-Inch Mezzanine Module (alternatively C10/C17 CF Card Adapter) • IEEE1394 (FireWire) • SIO • FWH • TPM • USB SSD www.ekf.com/c/ccpu/cl/ccl_tie.pdf	8HP 12HP	EXP PCIE	✓	✓	✓	✓
CCO-CONCERT	Expansion Side Board: HD-Audio • 3 x SATA/PATA Controller • Option on-Board 2.5-Inch SATA Drive • C20-SATA 2.5-Inch SATA Module (Option) • C42-SATA 1.8-Inch SSD Module (Option) • SIO • FWH • TPM • USB SSD • DVI Video (Option VGA) • C32-FIO Front Panel I/O Module (Option) www.ekf.com/c/ccpu/cco/cco_tie.pdf	8HP 12HP	EXP PCIE HSE SDVO	✓	✓	✓	✓
PCS-BALLET	Expansion Side Board: 3 x SATA 6G Controller (6 additional SATA channels in total) • Dual-port USB 3.0 SuperSpeed controller • Option on-Board 2.5-Inch SATA Drive • C20-SATA 2.5-Inch SATA Module (Option) • C42-SATA 1.8-Inch SSD Module (Option) • SIO • DisplayPort Video Option • C32-FIO Front Panel I/O Module (Option) www.ekf.com/p/pcs/pcs.html	8HP 12HP	EXP PCIE HSE DP		✓		✓

Please Request for Custom Specific Module Design (sales@ekf.com)



CPU Expansion Port Connectors							
	EXP	HSE	PCIE (x1)	PCIE (x4)	SDVO	SDVO2	LVDS
CCM-BOOGIE www.ekf.com/c/ccpu/ccm/ccm_e.html	✓	✓		✓	✓		
PC1-GROOVE www.ekf.com/p/pc1/pc1.html	✓	✓		✓		✓	
PC2-LIMBO www.ekf.com/p/pc2/pc2.html	✓	✓	✓				✓
SC1-ALLEGRO www.ekf.com/s/sc1/sc1.html	✓	✓	✓	✓	SDVO/DP		

Expansion Ports - Short Description					
Designation	Usage	Top	Bottom	Signal Group(s)	
EXP	Legacy Expansion Port	✓	✓	LPC • USB 2.0 • Audio	
HSE	High Speed Expansion Port	✓		Serial ATA • USB 2.0	
LVDS	LVDS Graphics Port	✓		Embedded Display	
PCIE	PCI Express Interfac Port	✓		PCIe x 1 • PCIe x 4 (1x4 or 4x1)	
SDVO	Serial Digital Video Output	✓		Secondary DVI/VGA Display	
SDVO2	Serial Digital Video Output & Digital Display (DisplayPort)	✓		Secondary DisplayPort or DVI/VGA Video	
SDVO/DP	Serial Digital Video Output & DisplayPort	✓		Third DisplayPort or DVI/VGA Video	
FIO	3 rd Floor Front Panel I/O (from CCO-CONCERT or PCS-BALLET)	✓		USB 2.0, PS/2, Audio	

Expansion Connector Evolution • EKF Generation 4

