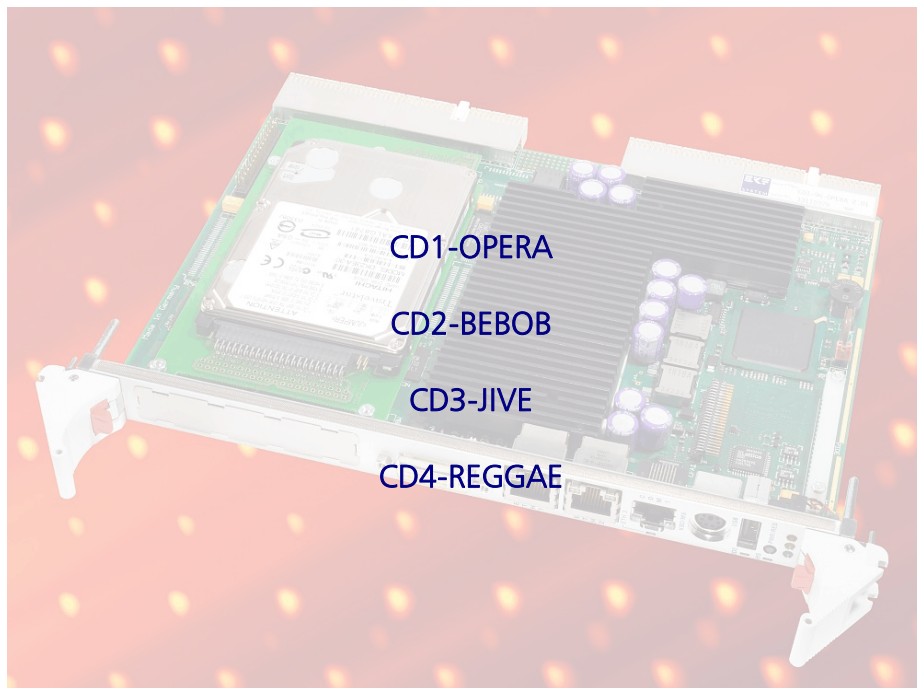




CompactPCI® 6U CPU Comparison Chart

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Please request for custom specific configurations (sales@ekf.de)

CompactPCI 6U CPU Comparison Chart

	CD1-1-OPERA	CD1-2-OPERA	CD1-4-OPERA	CD1-A-OPERA
Board Form Factor	6U - 4HP			
CPU	Pentium 4 M 0.13 μ Mobile Northwood			
CPU Socket Style	μ FC-PGA 478			
FSB Clock MHz	400			
CPU Clock max.	1.7/2.2GHz			
CPU L2 Cache	512KB			
Memory max.	1GB			
Memory Style	SO-DIMM 200 PC1600/2100 DDR			
Memory Clock MHz	200/266			
Chipset	GMCH i845G + ICH4			
CompactPCI I/F	System/ Slot			Peripheral Slot
PCI Bridge	HB6 Transparent			HB6 Non-Transparent
CPCI Hot Swap				✓
Fast-Ethernet				
Gigabit-Ethernet	3 (2 Front Panel, 1 PICMG 2.16 or Rear I/O)	2 (Front Panel)		3 (2 Front Panel, 1 PICMG 2.16 or Rear I/O)
USB2.0	3 (1 Front Panel, 2 via Rear I/O)			
Serial ATA				
ATA/IDE	Ultra ATA/100			
CompactFlash Socket	✓			
Local Expansion I/F				
Legacy I/O	✓			
Mezzanine I/O	1 x PMC	2 x PC•MIP	1 x 2.5-" Hard Disk	1 x PMC
Video/Graphics	DVI-I (Analog & Digital)			
PXI Support	TRIG0..7			
Front Panel I/O	DVI-I (D-Sub Option), 2 x GB Ethernet, 1 x USB, 1 x PS/2 KB/MS, PMC Bezel			
Rear I/O	CDX-RIO: IDE, Floppy, Ethernet, USB2/3, LPT, COM2, GPIO, Mezzanine			
System Management				
PCMark2002 CPU/MEM	4132/3931 (1.7G) 5236/4152 (2.2G)	4132/3931 (1.7G) 5236/4152 (2.2G)	4132/3931 (1.7G) 5236/4152 (2.2G)	4132/3931 (1.7G) 5236/4152 (2.2G)

CompactPCI 6U CPU Comparison Chart

	CD2-1-BEBOP	CD2-2-BEBOP	CD2-3-BEBOP
Board Form Factor	6U - 4HP		
CPU	LV Pentium® M 0.09µ Dothan738	Pentium® M 0.09µ Dothan745	Pentium® M 0.09µ Dothan755
CPU Socket Style	µFC-BGA 479		
FSB Clock MHz	400		
CPU Clock max.	1.4GHz	1.8GHz	2.0GHz
CPU L2 Cache	2MB		
Memory max.	1GB		
Memory Style	SO-DIMM 200 DDR 266 PC2100 DDR		
Memory Clock MHz	200/266		
Chipset	GMCH i855GME (Montara) + ICH4		
CompactPCI I/F	System Slot		
PCI Bridge	PLX6150/HB4 Transparent		
CPCI Hot Swap	Basic Hot Swap		
Fast-Ethernet	1 (Front Panel)		
Gigabit-Ethernet	3 (1 Front Panel, 2 PICMG 2.16 or Rear I/O)		
USB 2.0	7 (2 Front Panel, 2 Rear I/O, 2 Expansion Board, 1 x Option on-Board USB Flash Drive)		
Serial ATA	2		
ATA/IDE	Ultra ATA/100		
CompactFlash Socket	Mezzanine Module C10-1-CFA: CF-ATA Card Type I-II, C10-2-CFA: 1.8-Inch on-Board Hard Disk (Option)		
Local Expansion I/F	✓		
Legacy I/O	✓		
Mezzanine I/O	1 x PMC, Option 2.5-Inch Hard Disk Mezzanine Module (Replaces PMC Slot)		
Video/Graphics	DVI-I (Analog & Digital), Dual Screen Capable		
PXI Support	TRIG0..7		
Front Panel I/O	DVI-I (D-Sub Option), 1 x GB Ethernet, 1 x Fast Ethernet, 2 x USB, PS/2 MS/KB, PMC Bezel		
Rear I/O	CDY-RIO: IDE, Ethernet, USB, VGA, COM, PS/2, GPIO, SATA, Mezzanine		
System Management			
PCMark2002 CPU/MEM	4745/8489	6100/10441	6773/11398

CompactPCI 6U CPU Comparison Chart

	CD3-2-JIVE	CD3-3-JIVE	CD3-6-JIVE
Board Form Factor	6U - 4HP		
CPU	ULV Celeron® M 0.09µ Dothan373	LV Pentium® M 0.09µ Dothan738	Pentium® M 0.09µ Dothan760
CPU Socket Style	µFC-BGA 479		
FSB Clock MHz	400		533
CPU Clock max.	1.0GHz	1.4GHz	2.0GHz
CPU L2 Cache	512KB	2MB	
Memory max.	2GB (2 x 1GB Dual Channel)		
Memory Style	SO-DIMM 200 DDR2 533 PC2-4200		
Memory Clock MHz	400/533		
Chipset	GMCH i915GM (Alviso) + ICH6		
CompactPCI I/F	System Slot		
PCI Bridge	PLX6150/HB4 Transparent		
CPCI Hot Swap	Basic Hot Swap		
Fast-Ethernet			
Gigabit-Ethernet	4 (2 Front Panel, 2 PICMG 2.16 or Rear I/O)		
USB 2.0	8 (2 Front Panel, 4 Rear I/O, 2 Expansion Board)		
Serial ATA	4 (Rear I/O 3 x SATA, 1 x eSATA), optional on-Board SATA Dual Hard Disk Mezzanine Module (C14)		
ATA/IDE	Ultra ATA/100		
CompactFlash Socket	Mezzanine Module C10-1-CFA: CF-ATA Card Type I-II, C10-2-CFA: 1.8-Inch on-Board Hard Disk (Option)		
Local Expansion I/F	✓		
Legacy I/O	✓		
Mezzanine I/O	1 x PMC or 1 x C14 SATA Dual Hard Disk Mezzanine Module		
Video/Graphics	2 x DVI Dual Screen (1 x DVI-I Analog & Digital, 1 x DVI-D Digital), GMA900 Graphics Accelerator		
PXI Support	TRIG0..7		
Front Panel I/O	1 x DVI-I (VGA D-Sub Option), 1 x DVI-D (Option COM Port D-Sub), 2 x GB Ethernet, 2 x USB, PMC Bezel		
Rear I/O	CDT-RIO: Ethernet, USB, VGA, COM, PS/2, GPIO, SATA, AC'97 Audio		
System Management			
PCMark2005 CPU/MEM	tbd	tbd	tbd

CompactPCI 6U CPU Comparison Chart

		CD4-REGGAE	
Board Form Factor	6U - 4HP		
CPU		Next Generation (M) Core Duo VT & EM64T	
CPU Socket Style	μFC-BGA		
FSB Clock MHz		667/800	
CPU Clock max.		tbd	
CPU L2 Cache		4MB	
Memory max.	4GB (2 x 2GB Dual Channel)		
Memory Style	SO-DIMM 200 DDR2 667 PC2-5400		
Memory Clock MHz	533/667		
Chipset	Next Generation GMCH i9xx (C) + ICH8M DO		
CompactPCI Interface	System Slot		
PCI Bridge	tbd		
CompactPCI Hot Swap	Basic Hot Swap		
Fast-Ethernet			
Gigabit-Ethernet	tbd		
USB 2.0	10 x USB 2.0		
Serial ATA	tbd , optional on-Board SATA Dual Hard Disk Mezzanine Module (C14)		
ATA/IDE	Ultra ATA/100		
CompactFlash Socket	Mezzanine Module C10-1-CFA: CF-ATA Card Type I-II, C10-2-CFA: 1.8-Inch on-Board Hard Disk (Option)		
Local Expansion I/F	tbd		
Legacy I/O	✓		
Mezzanine I/O	1 x PMC or 1 x C14 SATA Dual Hard Disk Mezzanine Module		
Video/Graphics	2 x DVI Dual Screen (1 x DVI-I, 1 x DVI-D), Intel® Generation 4 500MHz Graphics DirectX 10		
PXI Support	TRIGO..7		
Front Panel I/O	tbd		
Rear I/O	tbd		
System Management	iAMT 2.5		
PCMark2005 CPU/MEM	tbd	tbd	tbd