














12-bit CompactPCI Digitizer Selection Table










	DC436	DC438	DC440 
Resolution	12 bits	12 bits	12 bits
Channels	2	2	2
Bandwidth	50 MHz	100 MHz	100 and 300 MHz ³
Sample Rate	100 MS/s	200 MS/s	400 MS/s
Memory/ch	4 Mpts	64 kpts	64 kpts
Opt. Memory/ch	–	4 Mpts	4 Mpts
Impedance	50 Ω	50 Ω	50 Ω
Coupling	DC	DC	AC, DC
BWL	–	35 MHz	35 MHz
HV Protection	XA100 required	XA100 required	XA100 required
External Trigger	•	•	•
Trigger Modes	Edge	Edge	Edge
 HRes SR	–	–	
 HF In	–	–	
 ASBus			
 Ctrl I/O¹			
Seq. Dead Time	< 2000 ns	< 1000 ns	< 1000 ns
Sust. Trigger Rate²	8 kHz	8 kHz	8 kHz
Power	< 22 W	< 25 W	< 25 W
Dimensions	cPCI 6U	cPCI 6U	cPCI 6U
Slots	1	1	1

¹ Includes external clock/reference, trigger out and digital I/O

² Linux OS, Pentium IV, 1 kpts

³ Through direct HF input

12-bit PCI Digitizer Selection Table
















	DP306	DP308	DP310
Resolution	12 bits	12 bits	12 bits
Channels	1	1	1
Bandwidth	50 MHz	100 MHz	100 and 300 MHz ³
Sample Rate	100 MS/s	200 MS/s	400 MS/s
Memory/ch	32 kpts	32 kpts	64 kpts
Opt. Memory/ch	2 Mpts	2 Mpts	4 Mpts
Impedance	50 Ω	50 Ω	50 Ω
Coupling	DC	DC	AC, DC
BWL	–	35 MHz	35 MHz
HV Protection	XA100 required	XA100 required	XA100 required
External Trigger	•	•	•
Trigger Modes	Edge	Edge	Edge
 HRes SR	–	–	
 HF In	–	–	
 ASBus	–	–	–
 Ctrl I/O¹			
Seq. Dead Time	< 2000 ns	< 1000 ns	< 1000 ns
Sust. Trigger Rate²	10 kHz	10 kHz	10 kHz
Power	< 15 W	< 17 W	< 17 W
Dimensions	PCI long card	PCI long card	PCI long card
Slots	1	1	1

¹ Includes external clock/reference, trigger out and digital I/O

² Linux OS, Pentium IV, 1 kpts

³ Through direct HF input

8-bit CompactPCI Digitizer Selection Table








	 DC211	 DC241	DC265	DC270	 DC271
Resolution	8 bits	8 bits	8 bits	8 bits	8 bits
Channels	1	2	4	4	4
Bandwidth	1 GHz	1 GHz	150 MHz	250 MHz	1 GHz
Sample Rate	4 GS/s	2 - 4 GS/s	500 MS/s	1 GS/s	1 - 4 GS/s
Memory/ch	512 kpts	256 - 512 kpts	128 kpts	128 kpts	128 - 512 kpts
Opt. Memory/ch	32 Mpts	16 - 32 Mpts	2 Mpts	2 Mpts	8 - 32 Mpts
Impedance	50 Ω	50 Ω	50 Ω/1 MΩ	50 Ω/1 MΩ	50 Ω
Coupling	AC, DC	AC, DC	AC, DC	AC, DC	AC, DC
BWL	20, 200, 700 MHz	20, 200, 700 MHz	–	–	20, 200, 700 MHz
HV Protection	XA100 required	XA100 required	–	–	XA100 required
External Trigger	•	•	•	•	•
Trigger Modes	Edge, Window, HF	Edge, Window, HF	Edge	Edge	Edge, Window, HF
 HRes SR	–	–	–	–	–
 HF In	–	–	–	–	–
 ASBus					
 Ctrl I/O¹			• ³	• ³	
Seq. Dead Time	< 800 ns	< 800 ns	< 800 ns	< 800 ns	< 800 ns
Sust. Trigger Rate²	15 kHz	10 kHz	5 kHz	5 kHz	5 kHz
Power	< 40 W	< 40 W	< 40 W	<40 W	< 40 W
Dimensions	cPCI 6U	cPCI 6U	cPCI 6U	cPCI 6U	cPCI 6U
Slots	1	1	1	1	1

¹ Includes external clock/reference, trigger out and digital I/O

² Linux OS, Pentium IV, 1 kpts

³ External clock/reference only

8-bit PCI Digitizer Selection Table

	DP105	DP110	DP210	DP211	DP214	DP235	DP240
Resolution	8 bits	8 bits	8 bits	8 bits	8 bits	8 bits	8 bits
Channels	1	1	1	Dual input	1	2	2
Bandwidth	150 MHz	250 MHz	500 MHz	500 MHz	1 GHz	500 MHz	1 GHz
Sample Rate	500 MS/s	1 GS/s	2 GS/s	2 GS/s	2 GS/s	0.5 - 1 GS/s	1 - 2 GS/s
Memory/ch	128 kpts	128 kpts	256 kpts	256 kpts	256 kpts	128 - 256 kpts	128 - 256 kpts
Opt. Memory/ch	2 Mpts	2 or 8 Mpts	16 Mpts	–	16 Mpts	2 - 4 Mpts	8 - 16 Mpts
Impedance	50 Ω/1 MΩ	50 Ω/1 MΩ	50 Ω/1 MΩ	50 Ω	50 Ω	50 Ω	50 Ω
Coupling	AC, DC	AC, DC	AC, DC	AC, DC	AC, DC	AC, DC	AC, DC
BWL	–	–	–	25 MHz	20, 200, 700 MHz	20, 200, 700 MHz	20, 200, 700 MHz
HV Protection	–	–	–	XA100 required	XA100 required	XA100 required	XA100 required
External Trigger	•	•	•	•	•	•	•
Trigger Modes	Edge	Edge	Edge	Edge	Edge, Window, HF	Edge, Window, HF	Edge, Window, HF
 HRes SR	–	–	–	–	–	–	–
 HF In	–	–	–	–	–	–	–
 ASBus	–	–	–	–	–	–	–
 Ctrl I/O¹	• ³	• ³	• ³	• ³			
Seq. Dead Time	< 800 ns	< 800 ns	< 800 ns	< 800 ns	< 800 ns	< 1100 ns	< 800 ns
Sust. Trigger Rate²	20 kHz	20 kHz	20 kHz	20 kHz	20 kHz	10 kHz	10 kHz
Power	< 15 W	< 15 W	< 20 W	< 20 W	< 22 W	< 24 W	< 24 W
Dimensions	PCI short card	PCI short card	PCI long card	PCI long card	PCI long card	PCI long card	PCI long card
Slots	1	1	1	1	1	1	1

¹ Includes external clock/reference, trigger out and digital I/O

² Linux OS, Pentium IV, 1 kpts

³ External clock/reference only