



Interface Technologies

Engineering · Software and · Services
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Dear Colleague,

Thank you for your recent request for information on Momentum's digital filter design software.

As the owner of Interface Technologies, I personally thank you for your interest in my company as a supplier of engineering software and services. Our goal is to provide the products and services that you need to succeed in your engineering projects. The products we represent are of proven quality.

Please review the attached price list and feature guide. Software and manuals are available for download from the Interface Technologies web site: www.i-t.com or call me to request a free CD-ROM with demo copies of all of the products that we carry.

If you have technical questions or need a current quotation specifying part numbers and exact pricing, please feel free to call me at (800) 357-1636.

Best Regards,

Dan Waterloo
Owner
Interface Technologies

PS: The Momentum domestic price list and configuration guide is inside!



	QEDesign-2000	QEDesign-1000	QEDesign-lite	Sample Rate Conversion I	Sample Rate Conversion II	Multirate Digital Filters I	Multirate Digital Filters II	Quadrature Mirror Filter Bank II
Supported Operating Systems:								
Windows 3.1	NO	YES	NO	NO	NO	NO	NO	NO
Windows 95/NT	YES	YES	YES	YES	YES	YES	YES	NO
UNIX	YES	NO	NO	YES	YES	YES	YES	YES
Supported Filter Types								
Lowpass	YES	YES	YES			Narrow and Wide		
Highpass	YES	YES	YES			Narrow and Wide		
Bandstop	YES	YES	YES			Narrow	Narrow	
Bandpass	YES	YES	YES					
Differentiator	YES	YES	NO					
Multiband	YES	YES	NO					
Hilbert Transform	YES	YES	NO					
Arbitrary Magnitude	YES	YES	NO					
Halfband	YES	YES	NO					
Raised Cosine	YES	YES	NO					
Root Raised Cosine	YES	YES	NO					
Arbitrary Group Delay	YES	YES	NO					
Maximum Filter Order								
IIR	160	80	12					
FIR with windows	8192	3072	128					
Equiripple	8192	1380	128					
IIR Analog Prototypes								
Butterworth	YES	YES	YES					
Tschebyscheff	YES	YES	YES					
Inverse Tschebyscheff	YES	YES	YES					
Elliptic	YES	YES	YES					
Bessel	YES	YES	YES					
Digital Transformation Methods								
Bilinear	YES	YES	YES					
Impulse Invariant	YES	YES	NO					
Matched Z-Transform	YES	NO	NO					
IIR Realization Methods for bilinear and matched z-transform designs								
Cascade	YES	YES	YES					
Parallel	YES	NO	NO					
Ratio of polynomials	YES	NO	NO					
FIR Window Functions								
Rectangular	YES	YES	YES	YES	YES	YES	YES	
Triangular	YES	YES	YES	YES	YES	YES	YES	
Hanning	YES	YES	YES	YES	YES	YES	YES	
Hamming	YES	YES	YES	YES	YES	YES	YES	
Blackman	YES	YES	YES	YES	YES	YES	YES	
Kaiser	YES	YES	YES	YES	YES	YES	YES	
Exact Blackman	YES	YES	NO	YES	YES	YES	YES	
3 Term Cosine	YES	YES	NO	YES	YES	YES	YES	
3 Term Cosine with Continuous 3rd Derivative	YES	YES	NO	YES	YES	YES	YES	
Minimum 3 Term Cosine	YES	YES	NO	YES	YES	YES	YES	
4 Term Cosine	YES	YES	NO	YES	YES	YES	YES	
4 Term Cosine with continuous 5th Derivative	YES	YES	NO	YES	YES	YES	YES	
Minimum 4 term Cosine	YES	YES	NO	YES	YES	YES	YES	
Good 4 Term Blackman Harris	YES	YES	NO	YES	YES	YES	YES	
Harris Flat Top	YES	YES	NO	YES	YES	YES	YES	
Dolph-Tschebyscheff	YES	YES	NO	YES	YES	YES	YES	
Taylor	YES	YES	NO	YES	YES	YES	YES	
Gaussian	YES	YES	NO	YES	YES	YES	YES	

C O N F I G U R A T I O N G U I D E



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