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**Product Specifications**  
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# of Channels	1	2	4	8					
<b>Product Family</b>	Triton and Triton-B families								
<b>Product</b>	Triton-1	Triton-2	Triton-4	Triton-8					
<b>Dimensions</b>	10" x 7" x 1.5" (25cm x 18cm x 4cm)								
<b>Computer Interface</b>	USB 2.0								
<b>Digitizer</b>	Integrated								
<b>- Resolution</b>	16-bit A/D (18-bit internal) and 12-bit D/A								
<b>Voltage Clamping Channels</b>	1	2	4	8					
<b>- Continuous Voltage Clamping</b>	Yes								
<b>Integrated Headstages</b>	1	2	4	8					
<b>Feedback Resistor Settings <sup>1</sup></b>	Standard: 10M, 100M, 1Gig, 10Gig -B model: 100M, 1Gig, 5Gig, 10Gig (customizable upon request)								
<b>Noise - DC to 3 kHz</b>	1Gig setting: <0.5pA rms 10Gig setting: <0.1pA rms								
<b>Capacitance Compensation</b>	Yes (independent for each channel)								
<b>- Pipette, Chip, Cable <sup>1</sup></b>	Up to 200pF								
<b>- Whole Cell Capacitance <sup>1</sup></b>	Up to 47pF each at 10us, 33us, 100us, 330us (customizable upon request)								
<b>Series Resistance Compensation <sup>1</sup></b>	Up to 10M & up to 95% of Rs (customizable upon request)								
<b>Analog Leak Compensation</b>	Optional Feature on "L" model for 16% premium								
<b>Junction Potential Compensation</b>	+/- 100mV (independent for each channel)								
<b>Sampling Rate (Aggregate)</b>	Up to 200kHz aggregate								
<b>Sampling Rate (Per Channel)</b>	Up to 200kHz	Up to 80kHz	Up to 40kHz	Up to 20kHz					
<b>Current Clamping Channels</b>	1	1 (any channel)	1 (any channel)	1 (any channel)					
<b>- Continuous Current Clamping</b>	Yes								
<b>- True Voltage Follower</b>	1	2	4	8					
<b>Voltage Command <sup>1</sup></b>	+/- 250mV								
<b>Zap Command <sup>1</sup></b>	+/- 1000mV								
<b>Power Supply</b>	External 45W Rating, UL, CE								
<b>Power Requirements</b>	4W	4W	5W	6W					
<b>Standard Software</b>	TritonLab								
<b>3rd Party Software</b>	Data can be saved in ATF format.								
	16	32	48	64	80	96	112	128	
	JET family (upgradable in 16-channel increments)								
	JET-16	JET-32	JET-48	JET-64	JET-80	JET-96	JET-112	JET-128	
	12" x 12" x 10" (30cm x 30cm x 25cm)								
	USB 2.0								
	Integrated								
	16-bit A/D (18-bit internal) and 12-bit D/A								
	16	32	48	64	80	96	112	128	
	Yes								
	16	32	48	64	80	96	112	128	
	100M, 1Gig, 5Gig (customizable upon request)								
	1Gig setting: <0.5pA rms 5Gig setting: <0.15pA rms								
	Yes (independent for each channel)								
	Up to 200pF								
	Up to 47pF each at 50us, 200us (customizable upon request)								
	Up to 10M & up to 95% of Rs (customizable upon request)								
	Optional Feature on "L" model for 20% premium								
	+/- 100mV (independent for each channel)								
	Up to 3MHz aggregate								
	Up to 20kHz								
	None								
	N/A								
	N/A								
	+/- 250mV								
	+/- 1000mV								
	External 45W Rating, UL, CE								
	15W	16W	17W	18W	19W	20W	21W	22W	
	JetLab								
	Data can be saved in ATF format.								

1. Customizable feature for additional fee.