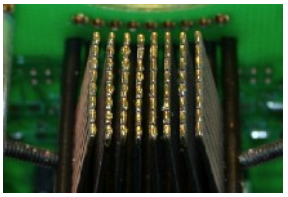
LATERO

The **Latero** by Tactile Labs is a state-of-the-art tactile display that operates by deforming the fingerpad skin with an array of laterally moving pins actuated by miniature piezoelectric bending motors. Fitting under a fingertip, the square array of 64 pins stimulates the skin to create a range of dynamic tactile sensations that includes vibrations and traveling features. The tactile display interfaces with a personal computer through a specialized controller that allows each pin to be programmed independently. The **Latero** was designed as an advanced tool for research in fields such as rehabilitation, experimental psychology, neuroscience, and haptics.

Tactile Display			
Weight	74	g	
Outer Dimension	8 x 6 x 10	cm	
Array Size	8 x 8		
Pin Spacing (Center to Center)	1.2 x 1.6	mm	
Active Area	1.2	cm^2	
Actuated Pins			
Maximum Displacement (without load)	~1	mm	
Resolution	7	bits	
Refresh Rate	1100	Hz	
Bandwidth	100	Hz	
Controller			
Outside Dimension	15 x 10 x 3	cm	
Cable Length	91	cm	
Computer Interface	Parallel Port		
Supported Platform	Ubuntu Linux 8.04		

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