



ActivBoard 500 Pro

THIS DOCUMENT CONTAINS SPECIFICATIONS FOR

ActivBoard 500 Pro Series

DESCRIPTION

The ActivBoard 500 Pro with Dual-User Pen and Touch capability is available in 78", 87" and 95" versions with integrated slim-line speakers and amplifier, ActivInspire Professional Edition, Promethean ActivOffice and Promethean Applications software.

SYSTEM OVERVIEW

Installation

The installation of this product should be completed by a Promethean Certified Installer. Components supplied and minimum specifications stated have been tested and are required for optimal performance. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.PrometheanKB.com for more information

Warranty

For Promethean Warranty Information please visit: www.PrometheanWorld.com/Warranty

Support

Online Support for all Promethean Products available from: www.PrometheanKB.com

UPGRADE AND ACCESSORY OPTIONS

Cable Wall Box

Connectivity box with inputs for 2 x fully wired VGA (to support VESA DDC) plus 3.5mm stereo jack audio inputs, USB-B input (for ActivBoard), S-Video, composite video plus auxiliary audio jack inputs, Cat 5e Ethernet input. Allows additional flexibility during installation, where the computer is located further away from the System

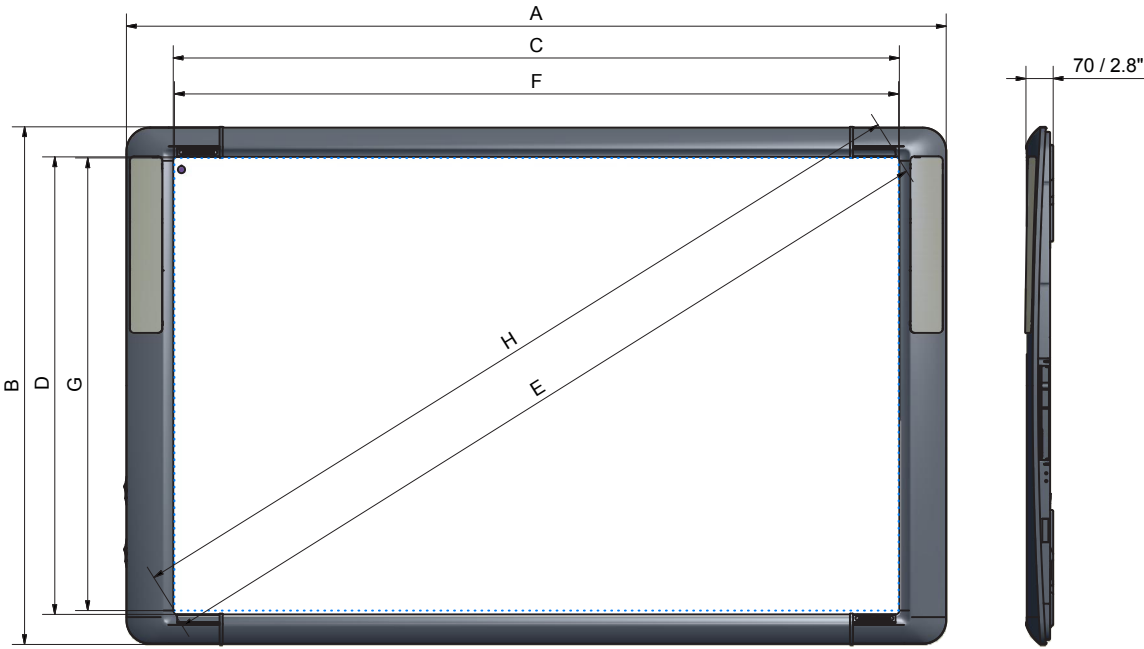
ActivWand 50

Wireless, battery-free and extended reach input device for the ActivBoard – 540mm (21.2in) in length; "left click", cursor and hover, just like a mouse

TECHNICAL DRAWING

DIMENSION BOARD SIZE	A		B		C		D		E		F		G		H	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
78"	1868	73,5	1329	52,3	1623	63,9	1175	46,3	2394	78,7	1567	61,7	1175	46,3	1958	77,1
87"	2105	82,9	1329	52,3	1865	73,4	1175	46,3	2196	86,5	1860	73,2	1162,5	45,8	2193	86,4
95"	2336	92,0	1329	52,3	2095	82,5	1175	46,3	2000	94,3	2089	82,2	1175	46,3	2392	94,1

A: BOARD WIDTH
 B: BOARD HEIGHT
 C: ACTIVE AREA WIDTH
 D: ACTIVE AREA HEIGHT
 E: ACTIVE AREA DIAGONAL
 F: IMAGE AREA WIDTH
 G: IMAGE AREA HEIGHT
 H: IMAGE AREA DIAGONAL



ACTIVBOARD GENERAL SPECIFICATIONS

Model	ActivBoard 500 Pro Range
Pen Internal Resolution	2730 points (lines) per inch
Pen Output Resolution	200 points (lines) per inch
Pen Tracking Rate	200 inches per second providing a fast response to pen commands
Pen Output Rate	160 coordinate pairs per second (single user) 80 coordinate pairs per second (dual user)
User Input	Cordless battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen) and touch
Touch Resolution	200 points (lines) per inch
Touch Output Rate	80 coordinate pairs per second
Touch Response Rate	10 ms
Maximum Simultaneous Touches	2 with ActivInspire 4 with Windows 7
Digitizing Technology	Passive Electromagnetic and Capacitive sensing interface
Power Requirement	Mains Powered; 18V Power Supply Unit
Connection to Computer	USB, 1 x 3m USB data cable supplied
Connection to Peripherals	2 x USB ports on left hand side
Screen Surface	Low Glare Melamine
Certifications	UL, CE, FCC
Operating Temperature Range	0°C to +40°C (32°F to 104°F)
Storage Temperature Range	-20°C to +60°C (-4°F to 140°F)
Storage Humidity	10% to 90% (non-condensing)
Dual User Functionality	Pen: 1 Instructor ActivPen and 1 Participant ActivPen can be used together in Dual-User Mode when using ActivInspire 1.5 Professional Edition and above Pen and Touch: 1 Participant ActivPen and simultaneous additional two-touch gesture supported when using ActivInspire 1.5 Professional Edition and above
Single User Functionality	Pen: 1 Instructor ActivPen Touch: Two-touch gesture supported when using ActivInspire 1.5 Professional Edition and above
Integrated USB Sound	Two integrated slim-line speakers and amplifier (with controls, inputs and outputs)
Packed Contents List	ActivBoard 578 Pro, ActivBoard 587 Pro, or ActivBoard 595 Pro, 2 Instructor ActivPens, 2 Participant ActivPens, 1 AMP PSU, Wall Mounting Brackets, User Guide, Access to ActivInspire Professional Edition, Promethean ActivOffice and Promethean Applications via download. (ActivInspire Professional Edition is also available on DVD on request), 1 x 3m USB data cable

INTEGRATED USB SOUND SPECIFICATIONS

Amplifier Power Output	20W per channel RMS (<1% distortion)
Controls	Volume, Bass, Treble, on/off
Amplifier Frequency Response	40Hz to 18kHz +/-3dB (at 1W)
USB Sound	USB Sound supported for Minimum System Requirements stated
Connectivity – Inputs (4)	Stereo PC, Stereo CD/DVD, Mono Auxiliary, Microphone to PC
Connectivity – Outputs (2)	2 Stereo
Power Requirement	18V 5 Amp

ACTIVBOARD SPECIFICATIONS

Model	ActivBoard 578 Pro	ActivBoard 587 Pro	ActivBoard 595 Pro
ActivBoard Size	78in	87in	95in
Resolution	12800 x 9200	14600 x 9200	17200 x 9200
Screen Formats	4:3	16:10	16:9
Overall Dimensions	1868mm x 1329mm (973.5in x 52.3in)	2105mm x 1329mm (82.9in x 52.3in)	2336mm x 1329mm (92in x 52.3in)
Active Area Dimensions	1628mm x 1175mm (64in x 46in)	1865mm x 1175mm (73.4in x 46.3in)	2095mm x 1175mm (82.5in x 46.3in)
Active Area Diagonal	2000mm (78.7in)	2196mm (86.5in)	2394mm (94.3in)
Actual Image Diagonal	1958mm (77.1in)	2193mm (86.4in)	2392mm (94.2in)
Board Weight	37kg (81.6lb)	40kg (88lb)	48kg (106lb)
Packed Weight	52kg (114.6lb)	57kg (126lb)	65kg (143lb)
Packed Dimensions	2025mm x 1500mm x 110mm (79.9in x 59in x 4.3in)	2270mm x 1500mm x 110mm (89.4in x 59.1in x 4.3in)	2572 mm x 1495mm x 110mm (101.3in x 58.9in x 4.33in)

MINIMUM COMPUTER REQUIREMENTS

Operating Systems	Windows XP SP3 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.4 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 9.10 or 10.04; Debian Lenny; Linex Colegios 2010; Linkat 3; ALT_Linux (Russia)
PC	2.0 GHz Intel Core 2 Duo or faster for HD-quality videos, 1 GB of RAM is required to play HD-quality videos, 1024 x 768 resolution, 1.5 GB of Free Disk Space
Mac	2.0 GHz Intel Core 2 Duo, 512 MB of RAM, 1024 x 768 resolution, 3.0 GB of Free Disk Space
Linux	2.0 GHz Processor or faster for HD-quality videos, 1 GB of RAM is required to play HD-quality videos, 1024 x 768 resolution, 1.5 GB of Free Disk Space