

# ActivBoard+2 Fixed 100 Range

## Product Specifications

### INTERACTIVE WHITEBOARD SYSTEM

The ActivBoard+2 is the consummate attention grabber with a state-of-the-art short-throw projector. From the audience, eyes can't help but face forward.

### ACTIVBOARD GENERAL SPECIFICATIONS

Internal Resolution	2730 points (lines) per inch
Output Resolution	200 points (lines) per inch
Tracking Rate	200 inches per second providing a fast response to pen commands
Output Rate	120 coordinate pairs per second
User Input	Cordless battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen)
Digitizing Technology	Passive Electromagnetic
Power Requirement	USB powered device
Connection to Computer	USB with supplied 5m (16ft) USB cable
Screen Surface	Low Glare Melamine
Screen Format	4:3
Certifications	UL, CE, FCC
Upgrade Options	Wireless connection to computer and dual user
Packed Contents List	ActivBoard, 2 ActivPens (Teacher), 5m (16ft) USB cable, Installation Guide, Access to ActivInspire Personal Edition via download from Promethean Planet (DVD optional and free if ordered at same time)



### ACTIVBOARD SPECIFICATIONS BY MODEL

Model	ActivBoard 164	ActivBoard 178
Activboard Size	64in	78in
Surface Area Resolution	10000 x 8000	12800 x 9200
Active Area Dimension	1271mm x 1012mm (50in x 40in)	1614mm x 1175mm (64in x 46in)
Active Area Diagonal	1617mm (63.6in)	1988mm (78.3in)
Actual Image Diagonal (4:3)	1590mm (62.6in)	1959mm (77.1in)
Overall Dimension	1426mm x 1166mm (56.2in x 45.9in)	1768mm x 1329mm (69.6in x 52.3in)
Board Weight	16kg (35lb)	25kg (55lb)
Packed Weight	28kg (61.7lb)	39.5kg (87lb)

### FIXED FRAME SPECIFICATIONS

<b>Board Size</b>	Accommodates ActivBoard 164 and 178
<b>Projector Mount</b>	Aluminium arm, extends 1600mm (62.9in) from the board
<b>Power</b>	Integrated 'power management' system for Activboard and Projector
<b>Weight (approx.)</b>	Frame only: Approx. 23kg (50.7lb) excl. board, projector and cabling
<b>Complete System Weight</b>	Approx. 50kg (110lb) (when ActivBoard 178 fitted)
<b>Cable Kit Contents</b>	Connectivity box with inputs for 2 x PC inputs (VGA & Audio RCA), USB input, S-video and composite video, plus auxiliary audio RCA inputs. Box also has VGA switch for PC inputs and volume control for audio output cable. Box is mounted to the frame and can be placed on either side of the system. 2m (6ft) USB patch cable (to connect computer to face plate). 2m (6ft) 3.5mm Jack to RCA cable for PC audio input (to connect computer to face plate). 2m (6ft) VGA cable provided in the projector box (to connect the computer to the face plate).
<b>Pack Weights &amp; Dimensions</b>	<p><b>Box 1 of 3:</b> 19kg (41.8lb) Dimensions: 1500mm x 340mm x 180mm (59.1in x 13.4in x 7.1in) Contents: Main extrusions, wall braces and fixings</p> <p><b>Box 2 of 3:</b> 4.9kg (10.8lb) Dimensions: 490mm x 400mm x 160mm (19.3in x 15.7in x 6.3in) Contents: Cables &amp; projector mount</p> <p><b>Box 3 of 3:</b> 1.9kg (4.2lb) Dimensions: 290mm x 210mm x 140mm (11.4in x 8.3in x 5.5in) Contents: Cable wall box</p>

### PROJECTOR SPECIFICATIONS

Model	PRM-30 (LCD)	PRM-35 (DLP)
Native Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)
Compressed Resolution	up to 1080i	up to 1080i
Typical Colours	16.77 million colours	16.77 million colours
Brightness (ANSI lumens)	1900lm/1500lm/ 2500lm (normal/normal 2/high)	2100 ANSI (normal), 2500 ANSI (high)
Contrast Ratio	500:1	2000:1
Noise Level	29dB (normal), 36dB (high brightness mode)	32db (normal), 36db (high)
Dimensions (w x d x h)	382mm x 430mm x 129mm (15in x 16.9in x 5in)	306mm x 275mm x 97mm (12.0in x 3.8in x 10.1in)
Weight	5.7kg (12.5lb)	2.72kg (6lb)
Aspect Ratio	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9
Power Consumption	317W (<0.8W standby)	230W (<1W standby)
Device Type	LCD technology	DLP Technology
Focus	Manual Focus	Manual Focus
Zoom	Digital Zoom	Digital Zoom
Focal Length	Fixed	Fixed
Projection Distance	0.54m ~ 1.22m (21.3in ~ 48in)	0.5m ~ 5m (19.7in ~ 169.9in)
Projection Screen Size	1.27m ~ 2.79m (50in ~ 110in)	1.12m ~ 11.18m (44in ~ 440in)
Lamp Type	230W lamp	230W lamp (190~180W)
Lamp Life	4000 hrs (normal); 3000 hrs (high)	6000hrs (normal) 4000hrs (high)
Keystone Correction	Vertical: $\pm 20^{\circ}$	Vertical: max $\pm 15^{\circ}$
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)
Power Supply Voltage	100-240V AC, 50/60Hz	100 ~120V/200 ~ 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz	15Hz ~ 90kHz
Vertical Scan Rate	50Hz ~ 85 Hz	50Hz ~ 85 Hz
Computer Compatibility	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)

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### PROJECTOR SPECIFICATIONS (CONTINUED)

<b>Video Compatibility</b>	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)
<b>Inputs/Outputs</b>	Computer In (D-sub 15-pin RGB) x 1 Computer In/Out (D-sub 15-pin RGB) selectable x 1 HDMI (Digital RGB) x 1 Composite Video (RCA) x 1 S - Video x 1 Stereo mini-jack In x 1 Audio In (RCA white/red) x 1 Networking LAN (RJ45) x 1 Serial RS-232C x 1	Computer In (D-sub 15-pin RGB) x 2 Computer Out (D-sub 15) x 1 HDMI V.1.3 only for Video x 1 Composite Video (RCA) x 1 S - Video x 1 Networking LAN RJ45 x 1 USB control x 1 Serial RS-232C x 1
<b>Colour</b>	Silver	Silver
<b>Security</b>	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock, Security cable bar option, pin code security, remote control operated only
<b>On-screen Menu</b>	Arabic, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Kazak, Korean, Norwegian, Polish, Portuguese, Portuguese (Brazilian), Romanian, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
<b>Advanced Features</b>	Long Life Filter – 4000hrs Cable Management Cover Quick Lamp Access Direct power on/off	Filter-less 3D Ready Quick Lamp Access Direct power on/off Cable Management Cover
<b>Packed Contents List</b>	Power cord, computer cable (Dsub 15-Dsub 15), wireless remote, PIN code label, owner's manual (CD-ROM & Quick Start Guide)	Power cord, computer cable (Dsub15-Dsub15), wireless remote, owner's manual (CD-ROM & Quick Start Guide)

### MINIMUM SYSTEM REQUIREMENTS

<b>Operating Systems</b>	Windows XP SP2 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 8.04, 8.10, 9.04, 9.10; Mandriva
<b>PC</b>	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk space
<b>Mac</b>	Macintosh Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space
<b>Installation</b>	Operation of the ActivBoard 100 requires installation of the driver included with the ActivInspire Personal Edition software and one open USB computer port. 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 <a href="http://www.prometheankb.com">www.prometheankb.com</a> for more information. Specifications and access for ActivInspire Personal Edition are located on Promethean Planet at <a href="http://www.prometheanplanet.com/ActivInspire">www.prometheanplanet.com/ActivInspire</a> . User with administrator/privileged access rights required to install driver and software.

### UPGRADE AND ACCESSORY OPTIONS

<b>ActivArena 50 Upgrade Pack</b>	Allows 2 users to work on the ActivBoard simultaneously; includes 2 Teacher and 2 Student ActivPens, ActivArena Resources CD, ActivArena paper license, and ActivArena Quick Start Guide (requires ActivInspire Professional Edition)
<b>Wireless Upgrade Pack 100/300</b>	Allows the ActivBoard 100 to connect to the computer wirelessly; includes an ActivHub (2.4 GHz), PSU (power supply unit) and Quick Start Guide
<b>ActivWand 50</b>	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
<b>ActivInspire Professional Edition DVD</b>	ActivInspire Personal Edition delivers the core features of the rich ActivInspire environment and is ideal for classroom use; the Professional Edition includes additional features such as Dual-User Functionality, ActiView visual presenter integration and more - <a href="http://www.prometheanplanet.com/Inspire">www.prometheanplanet.com/Inspire</a>

### WARRANTY AND SUPPORT<sup>†</sup>

<b>ActivBoard, Fixed Stand, Projector and Projector Lamp</b>	One-Year Warranty (One-Year/1000hr Lamp) with One-Year Email and 90-Day Telephone Support. Additional One-Year Warranty (One-Year/1000hr Lamp) and One-Year Email Support when installed by certified installer.
<b>ActivPen</b>	One-Year Warranty and 90-Day Phone Support
<b>Support</b>	Online Support for all Promethean Products available from: <a href="http://www.prometheankb.com">www.prometheankb.com</a>

### TECHNICAL DRAWING SPECIFICATIONS

