

ActivBoard 300 Adjustable System

Product Specifications

INTERACTIVE WHITEBOARD SYSTEM

The ActivBoard 300 Adjustable System combines a widescreen ActivBoard 300, available in 78", 87" and 95" versions, with a height-adjustable Frame and a choice of Short Throw or Extreme Short Throw projectors. The ActivBoard 300 offers Single-User Teacher (ActivPen) technology with the option to upgrade to Dual-User functionality.

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	Mains Powered; 18V Power Supply Unit
Connection to Computer	1 x 5m USB data cable supplied
Screen Surface	Low Glare Melamine
Certifications	UL, CE, FCC
Operating Temperature	0°C to +50°C (14°F - 122°F)
Storage Temperature	-20°C to +70°C (-4°F - 158°F)
Storage Humidity	0% to 90% (non-condensing)
Packed Contents List	ActivBoard, 2 ActivPens (Teacher), 5m (16ft) USB cable, Installation Guide, Access to ActivInspire 1.5 Professional Edition and Promethean ActivOffice via download from Promethean Planet. (ActivInspire and Promethean ActivOffice are also available on DVD on request).



ActivBoard 300 Adjustable with PRM-30 or PRM-35 projector



ActivBoard 300 Adjustable with EST-P1 projector

ACTIVBOARD SPECIFICATIONS BY MODEL

Model	ActivBoard 378	ActivBoard 387	ActivBoard 395
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 (73.5in x 52.3in)	2105mm x 1329mm (82.9in x 52.3in)	2412mm x 1329mm (95in x 52in)
Active Area Dimensions	1628mm x 1175mm (64in x 46in)	1865mm x 1175mm (73in x 46in)	2172mm x 1175mm (86in x 46in)
Active Area Diagonal	2000mm (78.7in)	2196mm (86.5in)	2462mm (96.9in)
Actual Image Diagonal	1958mm (77.1in)	2193mm (86.4in)	2397mm (94.4in)
Board Weight	27kg (59.5lb)	28kg (61.7lb)	35kg (77.1kg)
Packed Weight	42kg (92.6lb)	44kg (97lb)	52kg (114.6lb)
Packed Dimensions	2030mm x 1500mm x 110mm (79.9in x 59in x 4.3in)	2265mm x 1500mm x 110mm (89.2in x 59in x 4.3in)	2570mm x 1500mm x 110mm (101.2in x 59in x 4.3in)

ADJUSTABLE FRAME SPECIFICATIONS

Projector Model	PRM-30, PRM-35	EST-P1
Board Size	Accommodates ActivBoard 378 Pro, 387 Pro or 395 Pro	Accommodates ActivBoard 378 Pro, 387 Pro or 395 Pro
Height Settings	Height-adjustable Mount, with 600mm (23.6in) of adjustment from 350mm (13.8in) to 950mm (37.4in) ± 50mm (1.9in). Top and bottom limit stops are fitted if the full range of movement is not required/ appropriate. Height adjustment is powered by an electrical motor and is operated using a switch on the side of the stand	Height-adjustable Mount, with 600mm (23.6in) of adjustment from 350mm (13.8in) to 950mm (37.4in) ± 50mm (1.9in). Top and bottom limit stops are fitted if the full range of movement is not required/ appropriate. Height adjustment is powered by an electrical motor and is operated using a switch on the side of the stand
Projector Mount	Aluminium arm, extends 1605mm (63in) from the wall, adjusts with the height of the ActivBoard reducing the need for specific re-calibration following height adjustment	Aluminium arm, extends 550mm (21.7in) from the wall, adjusts with the height of the ActivBoard reducing the need for specific re-calibration following height adjustment
Room Height Requirements	Min. 2.66m (104.7in) for full range operation	Min. 2.66m (104.7in) for full range operation
Integrated Power Management	For ActivBoard, Projector and Actuator	For ActivBoard, Projector and Actuator
Actuator	<p>Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 30mm/s (no load), 20mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug</p>	<p>Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 30mm/s (no load), 20mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug</p>
Frame Weight (approx.)	62.1kg (136.6lb) excl. board, projector and cabling	59.1kg (130lb) excl. board, projector and cabling
Complete System Weight (approx.)	<p>ActivBoard 378 Pro including: PRM-30 Projector 97.8kg (215.4lb) PRM-35 Projector 94.8kg (208.7lb) ActivBoard 387 Pro including: PRM-30 Projector 101.8kg (224.1lb) PRM-35 Projector 98.8kg (217.6lb) ActivBoard 395 Pro including: PRM-30 Projector 104.8kg (230.8lb) PRM-35 Projector 101.8kg (217.6lb)</p>	<p>ActivBoard 378 Pro including: EST-P1 Projector 98.1kg (216.3lb) ActivBoard 387 Pro including: EST-P1 Projector 102.1kg (225.1lb) ActivBoard 395 Pro including: EST-P1 Projector 105.1kg (231.7lb)</p>

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ADJUSTABLE FRAME SPECIFICATIONS (CONTINUED)

Connectivity Panel	Connectivity panel 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. Connectivity panel can be mounted on the left or right-hand side of the Frame.	Connectivity panel 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. Connectivity panel can be mounted on the left or right-hand side of the Frame .
Cables	Cable assembly includes; 2 x 4m (13.1ft) VGA panel mount (fully wired to support VESA DDC), 4m (13.1ft) S-Video panel mount, 4m (13.1ft) composite video panel mount, 4m (13.1ft) Ethernet panel mount, 2.8m (9.2ft) USB cable, 2.5m (8.2ft) right angle stereo jack to panel mount jack socket, 2.5m (8.2ft) right angle stereo jack to panel mount phono pair, for PC audio input. To connect the computer to the face plate: 2m (6.6ft) USB patch cable; and a 2m (6.6ft) VGA cable provided in the projector box.	Cable assembly includes; 2 x 2.6m (8.5ft) VGA panel mount (fully wired to support VESA DDC), 2.6m (8.5ft) S-Video panel mount, 2.6m (8.5ft) composite video panel mount, 2.6m (8.5ft) Ethernet panel mount, 2.8m (9.18ft) USB cable, 2.5m (8.2ft) right angle stereo jack to panel mount jack socket, 2.5m (8.2ft) right angle stereo jack to panel mount phono pair, for PC audio input. To connect the computer to the face plate: 2m (6.6ft) USB patch cable; and a 2m (6.6ft) VGA cable provided in the projector box.
Pack Weights and Dimensions	<p>Box 1 of 3: 18.2kg (40lb) Dimensions: 217mm x 1427mm x 467mm (8.54in x 56.18in x 18.39in) Contents: Boom</p> <p>Box 2 of 3: 22.6kg (49.7lb) Dimensions: 182mm x 1652mm x 442mm (7.2in x 65in x 17.4in) Contents: Spine</p> <p>Box 3 of 3: 11.6kg (25.5lb) Dimensions: 128mm x 1782mm x 822mm (5.04in x 70.16in x 32.36in) Contents: Frame</p>	<p>Box 1 of 3: 15.6kg (34.3lb) Dimensions: 217mm x 1427mm x 467mm (8.54in x 56.18in x 18.39in) Contents: Boom</p> <p>Box 2 of 3: 22.6kg (49.7lb) Dimensions: 182mm x 1652mm x 442mm (7.2in x 65in x 17.4in) Contents: Spine</p> <p>Box 3 of 3: 11.6kg (25.5lb) Dimensions: 128mm x 1782mm x 822mm (5.04in x 70.16in x 32.36in) Contents: Frame</p>

PROJECTOR SPECIFICATIONS

Model	PRM-30 (LCD)	PRM-35 (DLP)	EST-P1 (DLP)
Native Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)	WXGA (1280 x 800)
Compressed Resolution	up to 1080i	up to 1080i	up to 1080i
Typical Colours	16.77 million colours	16.77 million colours	16.77 million colours
Brightness (ANSI lumens)	1900lm (normal), 1500lm (normal 2), 2500lm (high)	2100 ANSI (normal) 2500 ANSI (high)	2200 ANSI (normal) 2500 ANSI (high)
Contrast Ratio	500:1	2000:1	2000:1

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PROJECTOR SPECIFICATIONS (CONTINUED)

Noise Level	29dB (normal) 36dB (high brightness mode)	32dB (normal) 36dB (high)	28dB (normal) 32dB (high brightness mode)
Dimensions (w x d x h)	382mm x 430mm x 129mm (15in x 16.9in x 5in)	306mm x 275mm x 97mm (12in x 3.8in x 10.1in)	354mm x 319mm x 157mm (13.9in x 12.6in x 6.1in) not including lens 354mm x 411mm x 219mm (13.9in x 16.1in x 8.6in) including lens
Weight	5.7kg (12.5lb)	2.7kg (6lb)	9kg (19.8lb)
Aspect Ratio	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9
Power Consumption	317W (<0.8W standby)	230W (<1W standby)	290W (<1W standby)
Device Type	LCD Technology	DLP Technology	DLP Technology
Focus	Manual Focus	Manual Focus	Manual Focus
Zoom	Digital Zoom	Digital Zoom	N/A
Focal Length	Fixed	F=2.86	F=2.4
Projection Distance	0.54m ~ 1.22m (21.3in ~ 48in)	0.54m ~ 1.22m (21.3in ~ 48in)	0.39m ~ 0.56m (15in ~ 22in)
Projection Screen Size	1.27m ~ 2.79m (50in ~110in)	1.27m ~ 2.79m (50in ~110in)	1.98m ~2.79m (78in ~ 110in)
Lamp Type	230W lamp	230W lamp	220W lamp
Lamp Life	4000 hrs (normal), 3000 hrs (high)	6000hrs (normal), 4000hrs (high)	6000hrs (normal), 4000hrs (high)
Keystone Correction	Vertical: max ±20°	Vertical: max ±15°	Vertical: max ±15°
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)	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 ~ 240V AC, 50/60Hz	100 - 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz	15Hz ~ 90kHz	15Hz ~ 90kHz
Vertical Scan Rate	50Hz ~ 85Hz	50Hz ~ 85Hz	43Hz ~ 85Hz
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)	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)
Video Compatibility	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)	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)

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PROJECTOR SPECIFICATIONS (CONTINUED)

Inputs/Outputs	D-sub 15 (RGB) x 1 D-sub 15 (RGB) selectable x 1 HDMI (Digital RGB) x 1 S-Video x 1 Composite Video (RCA) x 1 RCA (white/red) x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1 Stereo mini-jack x 1	D-sub 15 (RGB) x 2 D-sub 15 (Monitor out) x 1 HDMI V.1.3 only for Video x 1 S-Video (Mini DIN 4-pin) x 1 Composite Video (RCA) x 1 USB control x1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1	D-sub 15 (RGB) x 2 HDMI V1.3 x 1 S-Video x 1 Composite Video (RCA) x 1 USB control x 1 Networking LAN (RJ45) x 1 RS-232C (D-sub 9) x 1
Colour	Silver	Silver	Silver
Security	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	Kensington Lock, Security cable bar option, pin code security, remote control operated only
On-screen Menu	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	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Advanced Features	Long Life Filter – 4000hrs Cable Management Cover Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption	Filter-less 3D Ready Crestron RoomView Express Quick Lamp Access Direct power on/off Closed Caption
Packed Contents List	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner’s manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner’s manual (CD - ROM & Quick Start Guide)	Power cord, computer cable (D-sub15 – D-sub15), wireless remote, owner’s manual (CD - ROM & Quick Start Guide)

MINIMUM SYSTEM REQUIREMENTS

Operating Systems	Windows XP SP2 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 9.04, 9.10; Debian
PC	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk space
Mac	Macintosh Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space

INSTALLATION

ActivBoard 300 Adjustable System

The installation of this product should be completed by a Promethean Certified Installer. Please visit www.PrometheanWorld.com/ActivCare/installationtc. 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. Operation of the ActivBoard 300 requires installation of the driver included with the ActivInspire software and one open USB computer port. Specifications and access to ActivInspire software is available at www.PrometheanPlanet.com/ActivInspire. User with administrator/privileged access rights required to install driver and software

UPGRADE AND ACCESSORY OPTIONS

Audio Upgrade	2 slim-line integrated speakers with discreet amplifier box
Wireless Upgrade Pack 300	Allows the ActivBoard 300 to connect to the computer wirelessly; includes an ActivHub (2.4 GHz), PSU (Power Supply Unit) and Quick Start Guide
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
Dry Erase Whiteboard	Optional dry erase whiteboard, can use 1 or 2 dry erase whiteboards per System
Laptop Shelf	Storage for 1 laptop, with a maximum size of a standard 43cm (17in) laptop

WARRANTY AND SUPPORT[†]

Warranty	For Promethean Warranty Information please visit: www.PrometheanWorld.com/ActivCare
Support	Online Support for all Promethean products available from: www.Prometheankb.com

TECHNICAL DRAWING SPECIFICATIONS

