ActivPanel
INTERACTIVE FLAT PANEL

PRODUCT SPECIFICATIONS

THIS DOCUMENT CONTAINS SPECIFICATIONS FOR

ActivPanel 55, ActivPanel 65, ActivPanel 70 and ActivPanel 84

DESCRIPTION

The ActivPanel is a USB HID standard interactive flat panel LED display with ten touch points, one digital pen, two stylus, a licensed copy of ActivInspire Professional Edition software and manufacturer's warranty. Select from a choice of 55", 65", 70" Full HD and 84" 4K UHD displays. Extended warranty options are available for up to five years advanced replacement and on-site support**.

Benefits include:
- **Interactivity** - 10 points for gestures and multi-user collaboration, including digital pen for differentiated input
- **ActivGlide™** - 4mm acid etched, anti-glare and anti-reflective, glass surface. As tough as quartz and as smooth as ice
- **Pens** - Digital pen and stylus are designed for the ergonomics and mechanics of both left and right handed writing
- **OS Support** - Windows, Mac OS X, Linux and Chromebook OS* compatibility
- **Connectivity** - An array of input and output ports including HDMI, USB 3.0 and OPS
- **Classroom Features** - Freeze or blank screen options
- **Award-Winning Software** - A licensed copy of ActivInspire Professional Edition

Such features make the ActivPanel range a most compelling suite of front-of-class displays to the advantage of every student and teacher who interact with the large, bright screen of Promethean's classroom solution.

SYSTEM OVERVIEW

Installation	The ActivPanel is compatible with VESA mounting systems. The installation of this product should be completed by a Promethean Certified Installer. 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 Terms and Conditions, please visit: **www.PrometheanWorld.com/ActivCare**
Support	For Online Support for all Promethean Products, please visit: **www.PrometheanKB.com**

UPGRADE AND ACCESSORY OPTIONS

Stands	Options:	Wall Mounted	Mobile Stand
	Fixed Height	Included in box	Available in all markets
	Adjustable Height	Limited availability	Limited availability
ActivConnect & ClassFlow Connect	Wirelessly connect iOS, Android, Windows and OS X devices across multiple networks; browse the internet and collaborate on the ActivPanel. Limited availability and subject to change.		

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TECHNICAL SPECIFICATIONS

	ActivPanel 55"	ActivPanel 65"	ActivPanel 70"	ActivPanel 84"
DISPLAY				
Diagonal Size	55"	65"	70"	84"
Glass	4mm acid-etched tempered glass	4mm acid-etched tempered glass	4mm acid-etched tempered glass	4mm acid-etched tempered glass
Glass Hardness	7 Mohs	7 Mohs	7 Mohs	7 Mohs
Anti-Reflection, Anti-Glare Tech	ActivGlide™	ActivGlide™	ActivGlide™	ActivGlide™
Class Features	Blank & Freeze Screen	Blank & Freeze Screen	Blank & Freeze Screen	Blank & Freeze Screen
Screen Type	LED TV	LED PID	LED DID	LED PD
LED Light Source	Backlight	Backlight	Backlight	Backlight
LED Type	IPS	VA	VA	IPS
Aspect Ratio	16:9	16:9	16:9	16:9
Optimum Resolution	Full HD 1080p 1920 x 1080 @ 60Hz	Full HD 1080p 1920 x 1080 @ 60Hz	Full HD 1080p 1920 x 1080 @ 60Hz	4K UHD 2160p 3840 x 2160 @ 30Hz
Display Area	1210mm x 680mm (47.6in x 26.7in)	1428mm x 803mm (56.2in x 31.6in)	1549mm x 872mm (61in x 34.3in)	1867mm x 1053mm (73.5" x 41.5")
Pixel Density	40 PPI	34 PPI	31 PPI	52 PPI
Response Time	8ms	6.5ms	8ms	5ms
Refreshing Frequency	60Hz	60Hz	60Hz	30Hz UHD / 60Hz HD
Display Colours	16.7M	16.7M	1.06Bn	1.06Bn
Brightness	350 cd/m2 (350 Nits)	350 cd/m2 (350 Nits)	400 cd/m2 (400 Nits)	350 cd/m2 (350 Nits)
Contrast Ratio	1400:1	4000:1	4000:1	1400:1
Viewing Angle	178°	178°	178°	178°
Backlight Life Time	50,000 hrs	50,000 hrs	30,000 hrs	50,000 hrs
AUDIO				
Speaker	Integral forward-facing	Integral forward-facing	Integral forward-facing	Integral forward-facing
Power	2 x 10W	2 x 10W	2 x 10W	2 x 10W
CONNECTIVITY – AUDIO VIDEO IN				
HDMI	x 4	x 4	x 4	x 2 (HD 60Hz) x 2 (UHD 30Hz)
VGA (D-Sub)	x 1	x 1	x 1	x 1
Component In	x 1	x 1	x 1	x 1
AV-In	x 1	x 1	x 1	x 1
PC Audio (3.5mm)	x 1	x 1	x 1	x 1
USB 2.0 (media)	x 1	x 1	x 1	x 1
USB 3.0 (HD media)	x 1	x 1	x 1	x 1
RS232	x 1	x 1	x 1	x 1
OPS	x 1	x 1	x 1	x 1

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ACTIVPANEL SPECIFICATIONS BY MODEL

	ActivPanel 55"	ActivPanel 65"	ActivPanel 70"	ActivPanel 84"
CONNECTIVITY – AUDIO VIDEO OUT				
HDMI Out	x 1 (HDMI 2 In only)	x 1 (HDMI 2 In only)	x 1 (HDMI 2 In only)	x 1 (HDMI 2 In only)
AV-Out	x 1	x 1	x 1	x 1
Digital Audio Out (coaxial)	x 1	x 1	x 1	x 1
Headphone Socket	x 1	x 1	x 1	x 1
RS232 Out	x 1	x 1	x 1	x 1
INTERACTIVITY				
System	Windows® 7 to 10; Mac OS X® 10.6 – 10.10; Linux Ubuntu® 12.04 – 14.04 Chromebook with touch	Windows® 7 to 10; Mac OS X® 10.6 – 10.10; Linux Ubuntu® 12.04 – 14.04 Chromebook with touch	Windows® 7 to 10; Mac OS X® 10.6 – 10.10; Linux Ubuntu® 12.04 – 14.04 Chromebook with touch	Windows® 7 to 10; Mac OS X® 10.6 – 10.10; Linux Ubuntu® 12.04 – 14.04 Chromebook with touch
Continuous Touch Points	10 for drawing & gestures	10 for drawing & gestures	10 for drawing & gestures	10 for drawing & gestures
Digital Pen	1	1	1	1
Gestures & Edge Swipes	Windows® 8.1 Optimised	Windows® 8.1 Optimised	Windows® 8.1 Optimised	Windows® 8.1 Optimised
USB HID Multitouch & Pen	Yes – USB "B" 2.0	Yes – USB "B" 2.0	Yes – USB "B" 2.0	Yes – USB "B" 2.0
Technology	Infrared	Infrared	Infrared	Infrared
Resolution	32,768 × 32,768	32,768 × 32,768	32,768 × 32,768	32,768 × 32,768
Object Size Resolution	>6mm	>6mm	>6mm	>6mm
Positioning Accuracy	<2mm	<2mm	<2mm	<2mm
Tracking Rate	>200 inches / sec	>200 inches / sec	>200 inches / sec	>200 inches / sec
Output Rate	111Hz	111Hz	90Hz	83Hz
Response Time (first click)	18ms	18ms	22ms	24ms
Response Time (subsequent click)	9ms	9ms	11ms	12ms
Scan Speed	9ms	9ms	11ms	12ms
Service Life	60,000 hrs	60,000 hrs	60,000 hrs	60,000 hrs
SENSOR TO LCD DISTANCES				
1. Sensor to Glass	1. 1mm	1. 1mm	1. 1mm	1. 1mm
2. Glass	2. 4mm	2. 4mm	2. 4mm	2. 4mm
3. Glass to LCD	3. 2.5mm	3. 2.5mm	3. 2.5mm	3. 2.5mm
EMBEDDED ANDROID				
Version	Android™ 4.2.1	Android™ 4.2.1	Android™ 4.2.1	Android™ 4.2.1
CPU	ARM Cortex A7, 1.2GHz	ARM Cortex A7, 1.2GHz	ARM Cortex A7, 1.2GHz	ARM Cortex A7, 1.2GHz
GPU	Quad Core	Quad Core	Quad Core	Quad Core
RAM	1GB DDR3	1GB DDR3	1GB DDR3	1GB DDR3
ROM	4GB	4GB	4GB	4GB
Apps Installed	USB Media Player	USB Media Player	USB Media Player	USB Media Player

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ACTIVPANEL SPECIFICATIONS BY MODEL

	ActivPanel 55"	ActivPanel 65"	ActivPanel 70"	ActivPanel 84"
PHYSICAL				
Power Requirements	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V
Dimensions	1290mm x 782mm x 75mm (50.8in x 30.8in x 3.0in)	1536mm x 931mm x 85mm (60.5in x 36.7in x 4in)	1637mm x 981mm x 96mm (64.4in x 38.6in x 3.8in)	1954mm x 1156mm x 86mm (76.9in x 45.5in x 3.4in)
Net Weight	42.1kg (92.8 lbs)	60.6Kg (134lb)	72Kg (159lb)	108.6Kg (239.4lb)
VESA Mount Point (Wall/Stand)	4 x M8 (VESA 400 x 400)	4 x M8 (VESA 400 x 400)	4 x M8 (VESA 600 x 400)	4 x M8 (VESA 600 x 400)
VESA Mount Point (NUC/Mini)	4 x M4 (VESA 100 and VESA 75, bracket not included)	4 x M4 (VESA 100 and VESA 75, bracket not included)	4 x M4 (VESA 100 and VESA 75, bracket not included)	4 x M4 (VESA 100 and VESA 75, bracket not included)
Packed Dimensions	1530mm x 975mm x 260mm (60.2in x 38.3in x 10.2in)	1765mm x 1165mm x 320mm (69.5in x 45.9in x 12.6in)	1895mm x 1165mm x 320mm (74.6in x 47.6in x 13.4in)	2215mm x 1490mm x 395mm (87.2in x 58.7in x 15.6in)
Packed Weight	56.4kg (124.3lbs)	82.8Kg (182.5lb)	93.5Kg (206lb)	137.2Kg (302.5lb)
TOTAL COST OF OWNERSHIP				
Warranty**	Up to 5 years with options for Advanced Replacement & On-Site Support	Up to 5 years with options for Advanced Replacement & On-Site Support	Up to 5 years with options for Advanced Replacement & On-Site Support	Up to 5 years with options for Advanced Replacement & On-Site Support
Power Consumption	190W max	200W Max	310W Max	500W max
Power Consumption in Standby Mode	<0.5W	<0.5W	<0.5W	<0.5W
Auto Standby After no Video Input	Backlight after 5 mins Panel standby after 60 mins	Backlight after 5 mins Panel standby after 60 mins	Backlight after 5 mins Panel standby after 60 mins	Backlight after 5 mins Panel standby after 60 mins
ENVIRONMENTAL				
Operating Temperature	5°C to 40°C (41°F to 104°F)	5°C to 40°C (41°F to 104°F)	5°C to 40°C (41°F to 104°F)	5°C to 40°C (41°F to 104°F)
Storage Temperature	2°C to 55°C (36°F to 131°F)	2°C to 55°C (36°F to 131°F)	2°C to 55°C (36°F to 131°F)	2°C to 55°C (36°F to 131°F)
Operating Humidity	20% to 80% humidity	20% to 80% humidity	20% to 80% humidity	20% to 80% humidity
Storage Humidity	10% to 90% humidity	10% to 90% humidity	10% to 90% humidity	10% to 90% humidity
COMPLIANCE & CERTIFICATION				
UL / CUL	✓	✓	✓	✓
CE	✓	✓	✓	✓
FCC	✓	✓	✓	✓
CB	✓	✓	✓	✓
CCC	✓	✓	✓	✓
C-TICK	✓	✓	✓	✓
PACKED CONTENTS				
ActivPanel	x 1	x 1	x 1	x 1
Digital Pen	x 1	x 1	x 1	x 1
Stylus	x 2	x 2	x 2	x 2
Wall Mount	x 1	x 1	x 1	x 1
VESA Mount Bolts	x 4	x 4	x 4	x 4

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Remote Control	x 1	x 1	x 1	x 1
Batteries	x 3 AAA	x 3 AAA	x 3 AAA	x 3 AAA
Power Cable	x 1 (3m UK, US, EU, AUS)	x 1 (3m UK, US, EU, AUS)	x 1 (3m UK, US, EU, AUS)	x 1 (3m UK, US, EU, AUS)
HDMI Cable	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)
USB Cable	x 1 (3m / 9.8ft)	x 1 (3m / 9.8ft)	x 1 (3m / 9.8ft)	x 1 (3m / 9.8ft)
VGA Cable	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)
3.5mm Audio Cable	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)	x 1 (1.5m / 4.9ft)
Installation Guide	x 1	x 1	x 1	x 1
User Guide	x 1	x 1	x 1	x 1

DIGITAL PEN

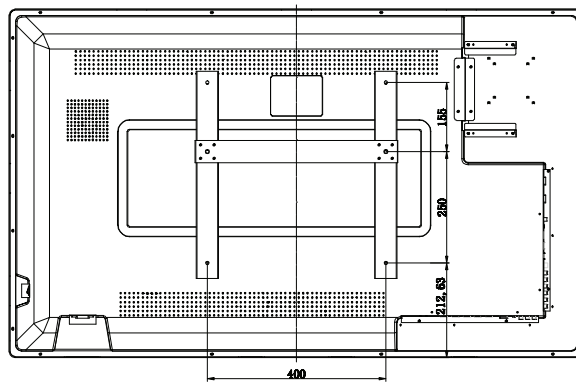|	
Pen Function	HID pen digitizer or mouse Independent and non-concurrent of touch
Left Click	Mechanical tip switch
Right Click	Barrel button
Hover	Yes
Nib Diameter	8mm (0.34in)
Positional Accuracy	+/-4mm (0.17in)
Valid Pen Angle	90 to 45 degrees
Pen Position Update Rate	65Hz
Battery	AAA non-rechargeable
Battery Life	>1 year
Pen Serviceable Parts	Battery & nib
Pen Storage	Pot attached to ActivPanel to protect pen and preserve battery life
Weight	37g
Size	170mm x 19mm x 23 mm (7.7in x 0.75in x 0.91in)
Operating Temperature	0°C to +40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (14°F to 140°F)
Operating Humidity	20% to 80% non-condensing
Storage Humidity	10% to 90% non-condensing
0.5W EU Directive	Radio and Telecommunications Terminal Equipment Directive 199/5/EC. Electromagnetic Compatibility (EMC) Directive 2004/108/EC and Low Voltage Directive (LVD) 2006/95/EC.
ROHS	Compliant
WEEE	Compliant
CE	EN 300 440-1; EN 300 440-2; EN 301 489-3; EN 55024; EN55022
FCC / IC	FCC CFR 47 Part 15 Subpart C; ICES-003
Safety	EN60950-1; IEC60950-1; UL60950-1; CAN/CSAC22.2 NO: 60950-01-07

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ActivPanel

INTERACTIVE FLAT PANEL

ACTIVPANEL 55" TECHNICAL DRAWING

FRONT

BACK

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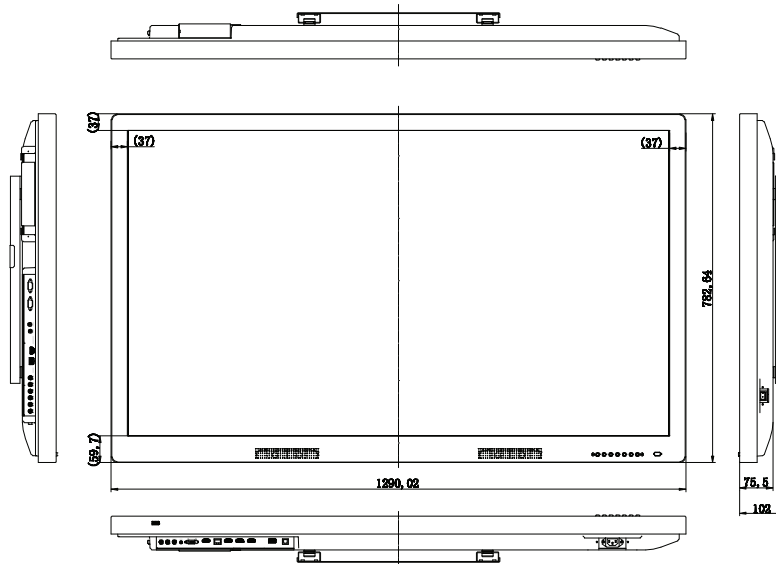
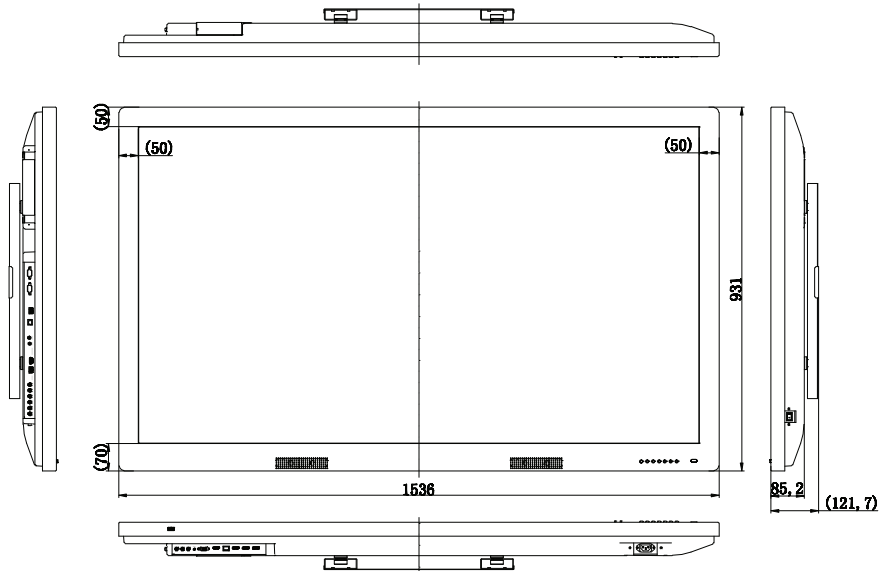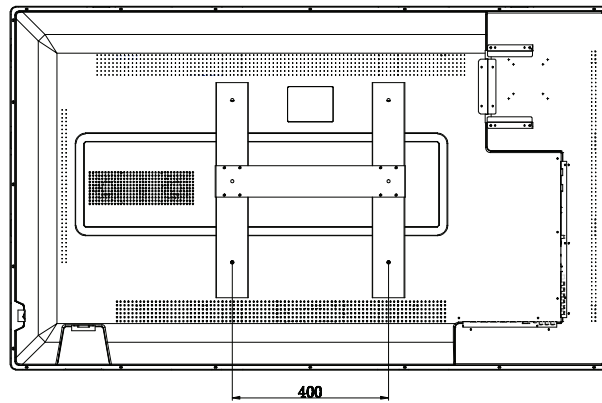**ACTIVPANEL 65" TECHNICAL DRAWING**

FRONT

BACK

ActivPanel

INTERACTIVE FLAT PANEL

ACTIVPANEL 70" TECHNICAL DRAWING

FRONT

BACK

ActivPanel Touch 3.0 SS 06/15 V1

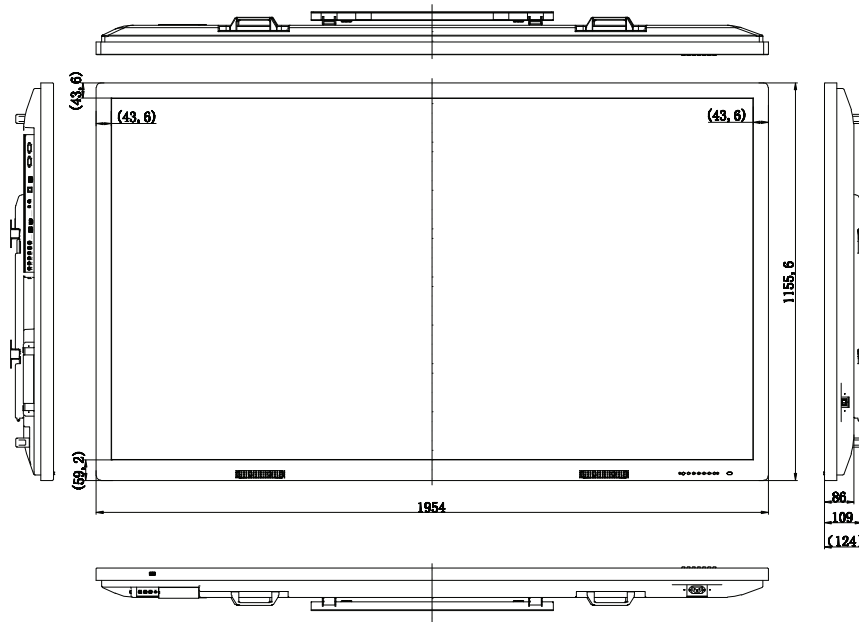**Promethean**
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INTERACTIVE FLAT PANEL
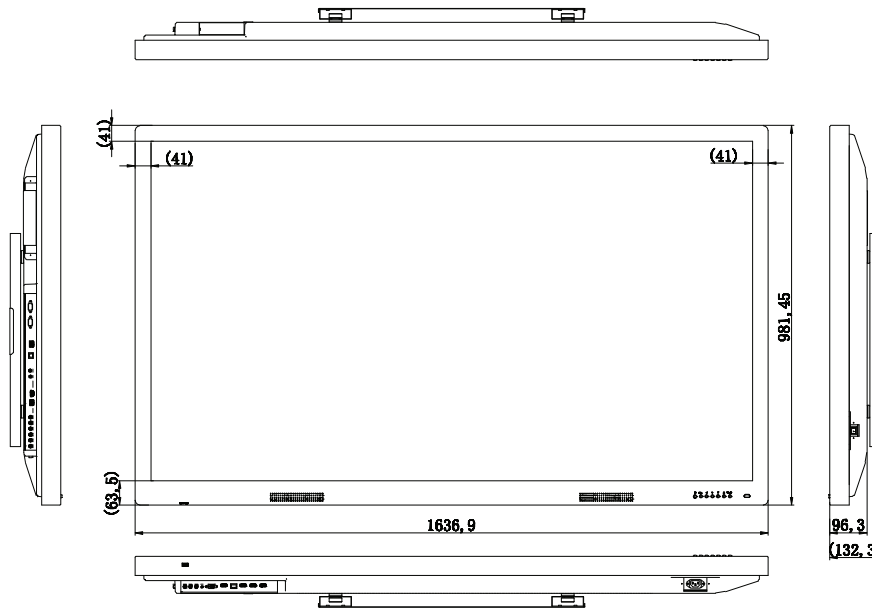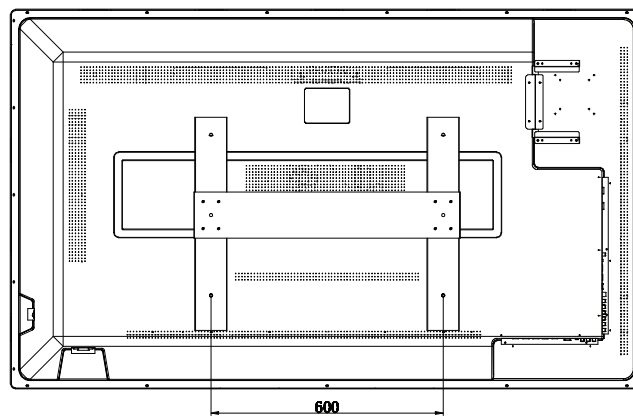
ACTIVPANEL 84" TECHNICAL DRAWING

FRONT

BACK

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