

Promethean AP7-B70-NA-1 ActivPanel Titanium 70" Interactive Display

DISPLAY	
Diagonal Size	70" 4K
Screen Type	TFT LCD (Direct LED Backlight)
Aspect Ratio	16:9
Display Area	70" 4K: 1541 x 868 mm (60.7 x 34.2 in)
Display Colours	1.07 Billion
Resolution	4K UHD (3840 x 2160 @ 60 Hz)
Response Time	8 ms
Refresh Rate	120 Hz
LCD Viewing Angle	178°
Brightness	70" 4K: 350 cd/m2
Contrast Ratio	4000:1
Ambient Light Sensor	Yes
Glass Hardness	9H (pencil), 7 (Mohs)
Glass Type	Heat-tempered, Anti-Glare
INTERACTIVITY	
Angled Center Console	Yes, with Power, Volume Control, Menu, Freeze, No Touch, Source Selection Buttons
Vellum Writing Technology	Yes
Continuous Touch Points	20
Touch Resolution	32768 x 32768 px
Response Time	Upto 5 ms
Touch Accuracy	1 mm
Tracking Rate	6 m/s
Scan Rate	200 Hz
Gestures and Edge Swipes	Windows Supported
Eraser Included (block eraser)	1
Pens Included	4 with Rear Erasing Feature
Pen Type	Battery-less Pen
Pen Holder	Integrated Full-length Pen Tray
Pen Tip Diameter	3 mm
Pen and Touch Differentiation	Yes
Pen Identities	2
Palm Detection	Yes
Annotation Over Any Source	Yes
Classroom Essential Apps	Included
Compatibility	Windows 7 to 10
	OS X 10.8 to 10.11
	macOS Sierra 10.12.1 or later
	Linux Ubuntu 18.04 LTS
POWER	
Power Requirements	100V - 240V AC
Power Consumption (Normal)	70" 4K: Upto 190W
Power Consumption (Standby)	Upto 0.5 W
Ultra-Quiet Fanless Design	Yes
ENVIRONMENTAL	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-15°C to 55°C (-5°F to 131°F)
Operating Humidity	20% to 80% non-condensing humidity
Storage Humidity	20% to 90% non-condensing humidity
PHYSICAL SPECIFICATIONS	
Panel Dimensions	70" 4K: 1668 x 1033 x 95 mm (65.7 x 40.7 x 3.7 in)
Net Weight	70" 4K: 53 kg (117 lbs)
Wall Mount Dimensions	1010 x 720 x 52 mm (39.8 x 28.3 x 2.0 in)
VESA Mount Point	70" 4K: 600 x 400 mm (23.6 x 15.7 in)
CONNECTIVITY	
OPS Slot	1
HDMI In (Rear)	2 (2.0)
HDMI In (Front)	1 (2.0)
USB-A 2.0 (Rear)	2
USB Touch (Type B) (Rear)	3
USB Touch (Type B) (Front)	1
USB-A 3.0 (faster data transfer) (Rear)	2
USB-A 3.0 (faster data transfer) (Front)	2
LAN In (RJ45)	1x 10/100/1000 Mbps
LAN Out (RJ45)	1x 10/100/1000 Mbps
RS-232	Yes
Wake-on-LAN	Yes
Wi-Fi Module	Included, IEEE 802.11a/b/g/n/ac Wireless, 2x2
Bluetooth	Yes (4.2)
DP In	1 (1.2)
HDMI Out	1 (2.0)
VGA In	1
VGA Audio In	1
CVBS	1
Mic In (3.5 mm)	1
Headphone	1
Proximity Sensor for Warm Boot	Yes
COMPUTING	
Operating System	Android Oreo 8
RAM	4 GB
Internal Storage	64 GB (32 GB x2)
CPU	Quad Core: (2) ARM Cortex A73, (2) ARM
	Cortex A53
GPU	ARM Mali-G51 MP4
Over-the-Air Updates	Yes
AUDIO	
Dual Front Facing, Bass Enhanced Speakers	70" 4K: 2 x15 Watts

