

# Promethean AP7-U75-NA-1 ActivPanel Nickel 75" Interactive Display

**DISPLAY**

|                      |                                        |
|----------------------|----------------------------------------|
| Diagonal Size        | 75" 4K                                 |
| Screen Type          | TFT LCD (Direct LED Backlight)         |
| Aspect Ratio         | 16:9                                   |
| Display Area         | 75" 4K: 1429 x 804 mm (56.3 x 31.7 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           | 75" 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**

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Front Facing Controls         | Yes, with Power, Menu, Volume Controls, Source Selection                                                            |
| Vellum™ Writing Technology    | Yes                                                                                                                 |
| Continuous Touch Points       | 15                                                                                                                  |
| Touch Resolution              | 32768 x 32768 px                                                                                                    |
| Response Time                 | 10 ms                                                                                                               |
| Touch Accuracy                | 1 mm                                                                                                                |
| Tracking Rate                 | 4 m/s                                                                                                               |
| Scan Rate                     | 100 Hz                                                                                                              |
| Gestures and Edge Swipes      | Windows® Supported                                                                                                  |
| Pens Included                 | 1                                                                                                                   |
| Pen Type                      | Battery-less Pen                                                                                                    |
| Pen Holder                    | Integrated Full-length Pen Tray                                                                                     |
| Pen Tip Diameter              | 3 mm                                                                                                                |
| Pen and Touch Differentiation | No                                                                                                                  |
| Palm Detection                | Yes                                                                                                                 |
| Annotation Over Any Source    | Yes                                                                                                                 |
| Classroom Essential Apps      | Included                                                                                                            |
| Compatibility                 | Windows® 7 to 10<br>OS X® 10.8 to 10.11<br>macOS® Sierra 10.12.1 or later<br>Linux® Ubuntu® 18.04 LTS<br>Chrome OS™ |

**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 | 75" 4K: 1767 x 1093 x 128 mm (69.6 x 43.0 x 5.0 in) |
| Net Weight       | 75" 4K: 64 kg (141 lbs)                             |

**CONNECTIVITY**

|                                          |                                                |
|------------------------------------------|------------------------------------------------|
| OPS Slot                                 | 1                                              |
| HDMI® In (Rear)                          | 2 (2.0)                                        |
| HDMI In (Front)                          | 2 (2.0)                                        |
| USB-A 2.0 (Rear)                         | 1                                              |
| USB-A 2.0 (Front)                        | 1                                              |
| USB Touch (Type B) (Rear)                | 1                                              |
| USB Touch (Type B) (Front)               | 1                                              |
| USB-A 3.0 (faster data transfer) (Front) | 1 (OPS)                                        |
| LAN In (RJ45)                            | 1x 10/100 Mbps                                 |
| LAN Out (RJ45)                           | 1x 10/100 Mbps                                 |
| RS-232                                   | Yes                                            |
| Wake-on-LAN                              | Yes                                            |
| Wi-Fi® Module                            | Optional, IEEE® 802.11a/b/g/n/ac Wireless, 2x2 |
| VGA In                                   | 1                                              |
| VGA Audio In                             | 1                                              |
| CVBS                                     | 1                                              |
| Mic In (3.5 mm)                          | 1                                              |
| Headphone                                | 1                                              |

**COMPUTING**

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating System     | Android™ Oreo 8                                   |
| RAM                  | 2 GB                                              |
| Internal Storage     | 16 GB                                             |
| CPU                  | Quad Core: (2) ARM Cortex A73, (2) ARM Cortex A53 |
| GPU                  | ARM Mali-G51 MP2                                  |
| Over-the-Air Updates | Yes                                               |

**AUDIO**

|                            |              |
|----------------------------|--------------|
| Dual Front Facing Speakers | 2 x 15 Watts |
|----------------------------|--------------|

**POWER**

|                             |                   |
|-----------------------------|-------------------|
| Power Requirements          | 100V - 240V AC    |
| Power Consumption (Normal)  | 75" 4K: Upto 350W |
| Power Consumption (Standby) | Upto 0.5 W        |
| Ultra-Quiet Fanless Design  | Yes               |

