

# OMNI-TP-150

15.6" Professional-Grade, App-Defined Touch Panel



The BSS OMNI-TP-150 is a flexible, professional-grade 15.6" touch panel built on an app-based architecture and designed for adaptable deployment across modern AV environments. It delivers a consistent, user-centric control experience that can be tailored to the specific needs of each space.

Selectable App Personas include:

- **AVX Control** – a dedicated platform for user interfaces developed with AVX Architect
- **Any-App** – install your own Android app
- **Samsung VXT** – digital signage player
- **Web Kiosk** – a full-screen, frameless interface for web applications
- **Zoom Rooms Controller** – create a dedicated Zoom Rooms appliance
- **Book Scheduling** – a dedicated stand-alone room scheduling touch panel
- **G5 Control** – a dedicated host for user interfaces developed with TPDesign5

Complementing this flexibility is a versatile mounting system designed to accommodate diverse installation requirements. The OMNI-TP-150 supports wall, glass, and VESA mounting, with optional tabletop accessories enabling consistent deployment across environments.

The OMNI-TP-150 further enhances the user experience through integrated sensing and communication capabilities, including speakers, microphones, a front-facing camera, NFC, proximity detection, and ambient light sensing, enabling responsive and context-aware interaction.

As part of the broader BSS OMNI ecosystem, and enabled by AVX Suite, the OMNI-TP-150 delivers a unified and adaptable control platform, enabling a consistent user experience while scaling across environments.

## | FEATURE HIGHLIGHTS

- **App-Defined Experience** – Pre-loaded App Personas transform panel to serve the unique needs of any user
- **Quick Launch Sidebar** – Effortlessly transition between multiple apps
- **Mounting Flexibility** – Included universal mount provides wall, glass, and VESA-mounting capabilities. Optional tabletop mounting accessories available.
- **Advanced Security** – Supports HTTPS, 802.1X, TLS 1.3, and Modern Authentication or OAuth 2.0
- **Any-Color Side LEDs** – Over 1 million programmatically selectable colors
- **Communication-enabling Technologies** – Speakers, microphone, and Front-facing HD camera
- **Intelligence-enhancing Technologies** – NFC Read/Write, Proximity Sensor, Ambient Light Sensor
- **Setup Wizard** – Simplified out-of-box setup experience
- **Enabled by AVX Suite**

## | GENERAL SPECIFICATIONS

| TOUCH SCREEN DISPLAY |                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Size         | 15.6" Diagonal                                                                                                                                                                                                                    |
| Display Type         | TFT-LCD, IPS                                                                                                                                                                                                                      |
| Resolution           | 1920x1080                                                                                                                                                                                                                         |
| Aspect Ratio         | 16:9 Landscape                                                                                                                                                                                                                    |
| Brightness           | 350 nits (cd/m²)                                                                                                                                                                                                                  |
| Contrast Ratio       | >800:1                                                                                                                                                                                                                            |
| Illumination         | LED Backlight                                                                                                                                                                                                                     |
| Touch Overlay        | Capacitive touch; >5 points touch panel with palm rejection and wet finger operation. Anti-fingerprint; Anti-microbial coating.                                                                                                   |
| Viewing Angle        | > 80°/ 80° / 80°/ 80°                                                                                                                                                                                                             |
| MEMORY               |                                                                                                                                                                                                                                   |
| RAM                  | 4GB, LPDDR4                                                                                                                                                                                                                       |
| Storage              | 32 GB eMMC                                                                                                                                                                                                                        |
| CONNECTIONS          |                                                                                                                                                                                                                                   |
| Ethernet             | RJ-45, POE 802.3af, 30W                                                                                                                                                                                                           |
| USB                  | USB Type C OTG, USB Type 2.0                                                                                                                                                                                                      |
| HARDWARE BUTTONS     |                                                                                                                                                                                                                                   |
| Function Button      | Rectangular Flush Button <ul style="list-style-type: none"> <li>• Press &amp; release: Display On/Off</li> <li>• Press &amp; hold (4 sec): Return to Primary App</li> <li>• Press &amp; hold during startup: Safe Mode</li> </ul> |
| System OS Button     | Pin-hole Button <ul style="list-style-type: none"> <li>• Press &amp; release: Open Panel Settings</li> <li>• Press &amp; hold (4 sec): Reboot</li> </ul>                                                                          |
| Reset Button         | Rear of unit <ul style="list-style-type: none"> <li>• Press &amp; hold (20 sec): Factory Reset</li> </ul>                                                                                                                         |
| Side LEDs            | Left & right<br>0-100 level for each Red, Green, & Blue                                                                                                                                                                           |

## | GENERAL SPECIFICATIONS

| CAMERA                   |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                   | 5MP front-facing, with Fixed Focusing Lens                                                                                               |
| SENSING                  |                                                                                                                                          |
| NFC                      | Yes, Supports Read & Write                                                                                                               |
| Ambient Light Sensor     | Yes, Supports Adaptive Brightness                                                                                                        |
| Proximity Sensor         | Yes, Supports Wake on Approach                                                                                                           |
| AUDIO                    |                                                                                                                                          |
| Speakers                 | 2 x 2W                                                                                                                                   |
| Microphone               | Dual                                                                                                                                     |
| POWER                    |                                                                                                                                          |
| POE                      | RJ-45, POE 802.3af, 30W                                                                                                                  |
| DC In                    | N/A                                                                                                                                      |
| CERTIFICATIONS           |                                                                                                                                          |
| ESD                      | Requirement should meet required certification (15KV air; 8KV conduct)                                                                   |
| Compliance               | UL, CE, CB, FCC Class B (-5dB)                                                                                                           |
| ENVIRONMENTAL            |                                                                                                                                          |
| Operation temp.          | 32°F - 104°F (0°C - 40° C)<br>5% - 85% Humidity                                                                                          |
| Storage temp.            | 4°F - 140°F (-20°C - 60° C)<br>5% - 90% Humidity                                                                                         |
| GENERAL                  |                                                                                                                                          |
| Product Dimensions (HWD) | 9 <sup>9</sup> / <sub>16</sub> " x 14 <sup>11</sup> / <sub>16</sub> " x 1 <sup>1</sup> / <sub>32</sub> " (243.1 mm x 373.5 mm x 26.2 mm) |
| Product Weight           | 3.86 lb (1750 g)                                                                                                                         |
| Included Accessories     | Mounting Plate<br>Adhesive Pad<br>Set Screw<br>Installation Template                                                                     |

