

OMNI-TP-80N

8" Professional-Grade, App-Defined Touch Panel
(No-Comm)



The BSS OMNI-TP-80N is a flexible, professional-grade 8" touch panel built on an app-based architecture and designed for adaptable deployment across modern AV environments. Purpose-built for environments where security requirements demand the exclusion of camera, NFC, and microphone capabilities, it delivers a focused, compliant solution, retaining full control functionality while eliminating non-essential communication interfaces.

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-80N supports wall, glass, and VESA mounting, with optional tabletop accessories enabling consistent deployment across environments.

As part of the broader BSS OMNI ecosystem, and enabled by AVX Suite, the OMNI-TP-80N 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
- **Setup Wizard** – Simplified out-of-box setup experience
- **Enabled by AVX Suite**

| GENERAL SPECIFICATIONS

TOUCH SCREEN DISPLAY	
Display Size	8" Diagonal
Display Type	TFT-LCD, IPS
Resolution	1280x800
Aspect Ratio	16:10 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, 15.4W
USB	USB Type C OTG, USB Type 2.0
HARDWARE BUTTONS	
Function Button	Rectangular Flush Button • Press & release: Display On/Off • Press & hold (4 sec): Return to Primary App • Press & hold during startup: Safe Mode
System OS Button	Pin-hole Button • Press & release: Open Panel Settings • Press & hold (4 sec): Reboot
Reset Button	Rear of unit • Press & hold (20 sec): Factory Reset
Side LEDs	Left & right 0-100 level for each Red, Green, & Blue

| GENERAL SPECIFICATIONS

CAMERA	
Camera	N/A
SENSING	
NFC	N/A
Ambient Light Sensor	Yes, Supports Adaptive Brightness
Proximity Sensor	Yes, Supports Wake on Approach
AUDIO	
Speakers	2 x 2W
Microphone	N/A
POWER	
POE	RJ-45, POE 802.3af, 15.4W
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] 5% - 85% Humidity
Storage temp.	4°F - 140°F [-20°C - 60° C] 5% - 90% Humidity
GENERAL	
Product Dimensions (HWD)	5 ⁷ / ₈ " x 7 ¹⁵ / ₁₆ " x ⁷ / ₈ " [148.9 mm x 201.2 mm x 21.7 mm]
Product Weight	1.17 lb (532 g)
Included Accessories	Mounting Plate Adhesive Pad Set Screw Installation Template

