

B-PASS

Rev 1.0 · Sep 2026

Secure Streaming Access Panel

The B-PASS is a smart access panel for Auracast™ streams. Listeners connect whichever way suits them — Tap-to-Access (NFC) or Scan-to-Access (QR code) — even where several streams are in range.

It also controls who gets in: in sensitive environments only authorized listeners can join the encrypted stream. It sits on the CASTER network and manages the broadcast passkey automatically.



SYSTEM

Processor	Quad-core ARM Cortex-A55	Operating system	Android 11
Memory	2 GB RAM; 16 GB internal storage	Software update	From a USB drive via Settings › Application

DISPLAY

Screen	8" IPS LCD touch screen	Brightness	300 cd/m²
Resolution	1280 × 800, 16:10	Contrast	800
Active area	172.2 × 107.6 mm	Viewing angle	85° / 85° / 85° / 85° (L / R / U / D)

INTERFACES

Ethernet	RJ45, 10 / 100 / 1000 Mbps, PoE IEEE 802.3at Class 4 (25.5 W)	USB	2 × USB-A (host; one USB-to-RS232 serial); USB-C with OTG
NFC	13.56 MHz — ISO 14443A / B, ISO 15693, MIFARE Classic, FeliCa	Storage	microSD (TF) slot, up to 64 GB
Bluetooth	5.2	Audio	3.5 mm headset jack (earphone + microphone); reset button inside
Wi-Fi	802.11 a/b/g/n/ac/ax (Wi-Fi 6) — upcoming feature, currently disabled		

SECURITY

Passkey generation	NFC admin tag (NDEF-compatible) or third-party control system via API	Passkey characters	Digits; digits + letters; digits + letters + symbols
Passkey length	Adjustable	On-screen access	QR code and access information — can be shown or hidden

REGULATORY

EU	CE — RED 2014/53/EU	Radio	EN 300 328 (2.4 GHz); EN 301 893 (5 GHz); EN 300 440; EN 300 330 (13.56 MHz NFC)
Safety / health	EN IEC 62368-1; EN IEC 62311	USA	FCC Part 15 Subpart B
EMC	EN 301 489-1 / -3 / -17; EN 55032; EN 55035; EN IEC 61000-3-2; EN 61000-3-3	Environmental	RoHS 2011/65/EU + (EU) 2015/863



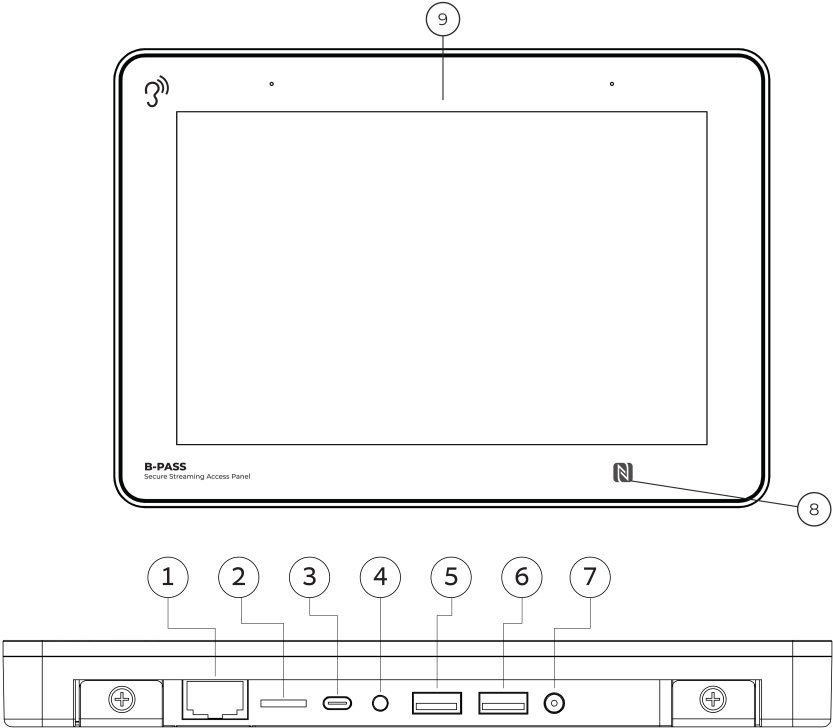
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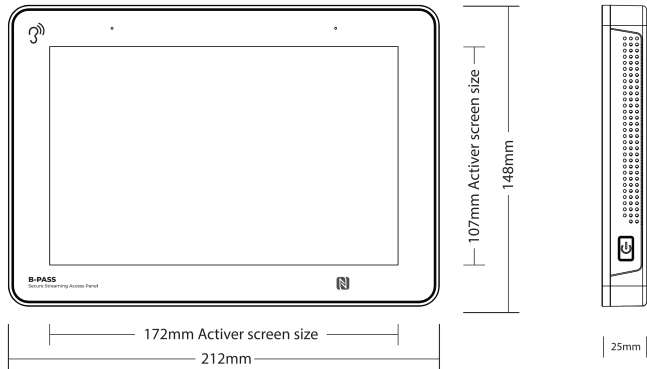
PANEL & CONNECTORS

- 1 LAN with PoE (IEEE 802.3at)
- 2 microSD card slot
- 3 USB-C port
- 4 Headphone jack + reset button
- 5 USB-A port
- 6 USB-A port
- 7 Power input — 12 VDC, 1.5 A
- 8 NFC reader area
- 9 Touch screen (8")

The power button is on the side of the panel.



DIMENSIONS



POWER

DC input	12 VDC, 1.5 A, centre-positive; barrel Ø 4.0 / Ø 1.7 × 9.0 mm
PoE	IEEE 802.3at, Class 4, 25.5 W
Single-cable install	Connect to CASTER LAN 2 for power and network over one cable — needs an active CASTER-S license on the CASTER and CASTER X; no license on the CASTER XD

PHYSICAL

Dimensions	212 × 148 × 25 mm
Weight	647 g (1.42 lbs); shipping 1,110 g (2.44 lbs)
Colors	Black
Mounting	Desktop, or wall via VESA 75 × 75 mm bracket

IN THE BOX & ADD-ONS

Supplied	B-PASS; VESA mounting bracket and screws
Required	12 VDC / 1.5 A power supply — not included; or power the panel over PoE
Add-ons	NFC admin tag — not included
Compatible devices	CASTER, CASTER X, CASTER XD; RTX receivers

