

## 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 300 330 (13.56 MHz NFC) |
| Safety / health | EN IEC 62368-1; EN IEC 62311                | USA           | FCC Part 15 Subpart B, 15.247 and 15.225         |
| EMC             | EN 301 489-1 / -3 / -17; EN 55032; EN 55035 | Environmental | RoHS 2011/65/EU + (EU) 2015/863                  |

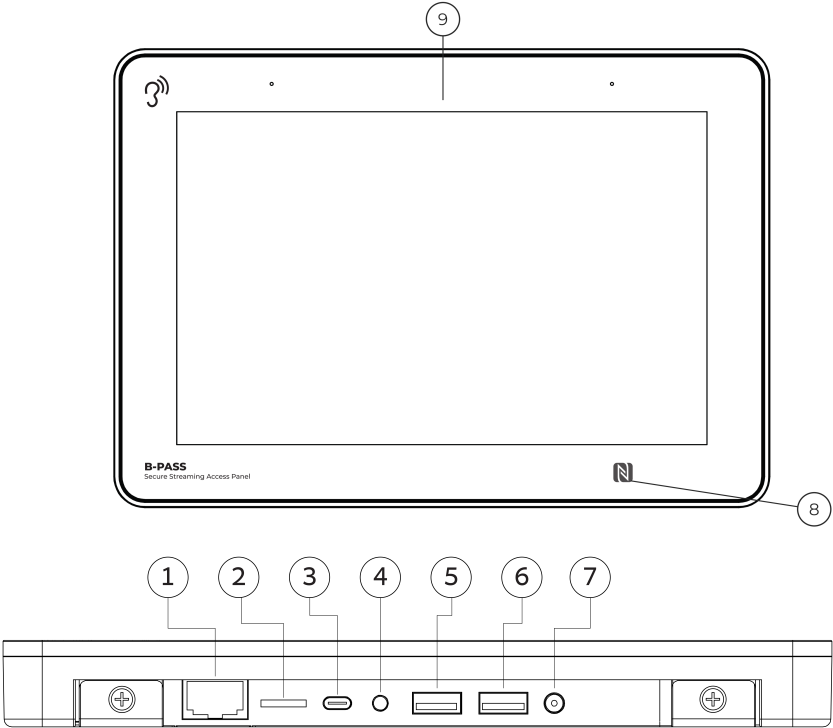
# B-PASS

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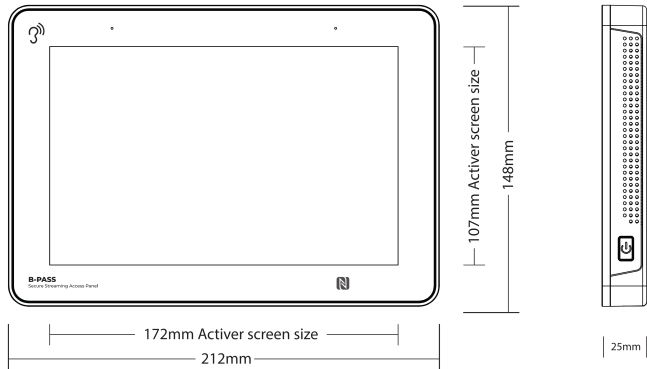
## PANEL & CONNECTORS

- 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                              |

