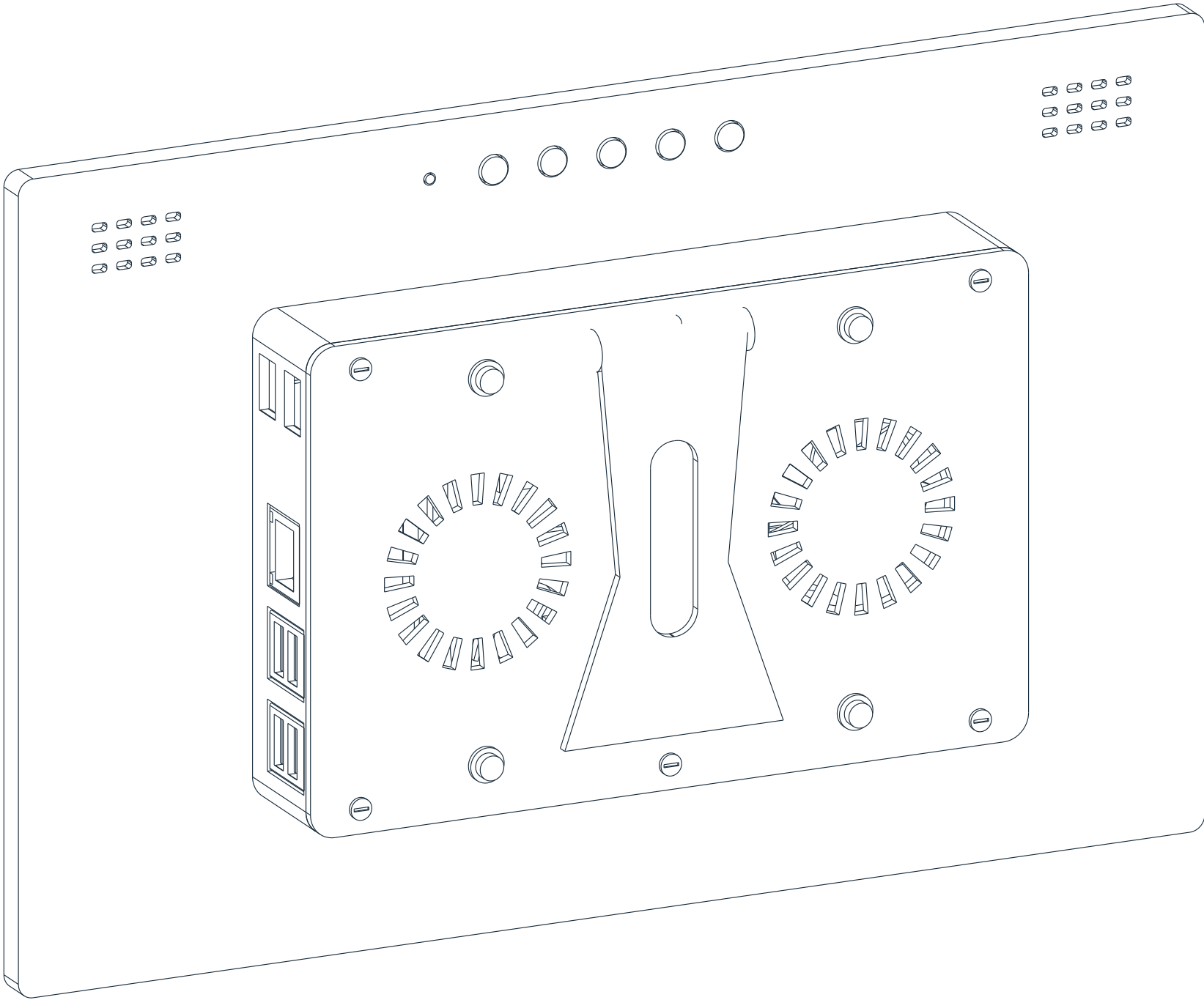


ASSEMBLED / UPRIGHT REAR ORIENTATION



Control row at top. Pi USB / Ethernet on left; monitor I/O on right.

Solid CAD includes vent slots, stand slot, hinge, connector apertures,
two fans, a nominal 2242 SSD and separate cover fastener groups.

SOURCE UNIT / REAR COVER OPEN

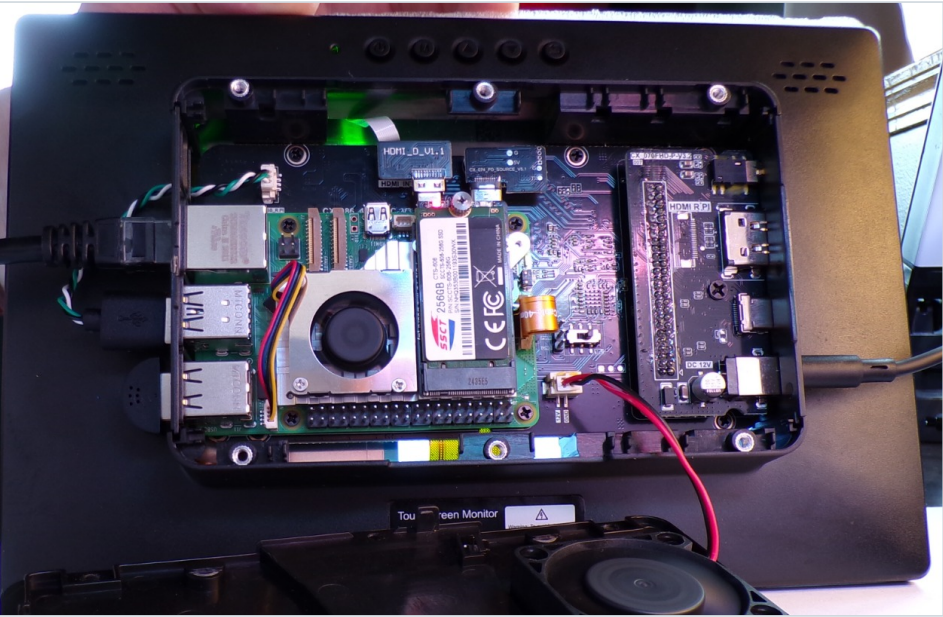


Photo 100_0175 • actual installed arrangement

DRAWING INDEX

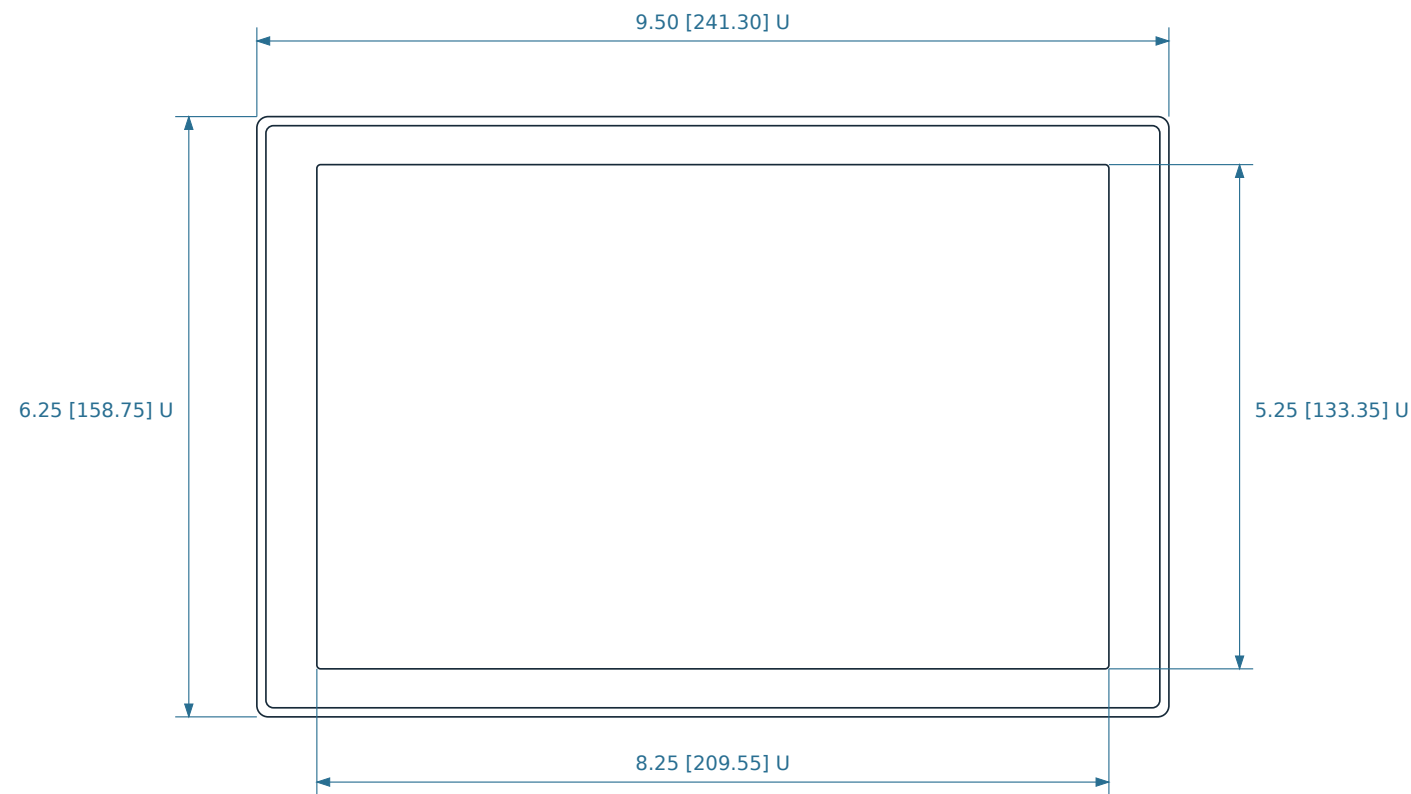
- 01 Assembly overview
- 02 Overall envelope / dimensions
- 03 Installed internals / photo callouts
- 04 Exploded assembly / item map
- 05 Pi module / removed configuration
- 06 Rear cover / fan / stand details
- 07 External interfaces / observed wiring
- 08 Bill of materials / hardware groups
- 09 Measurement register / photo evidence

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

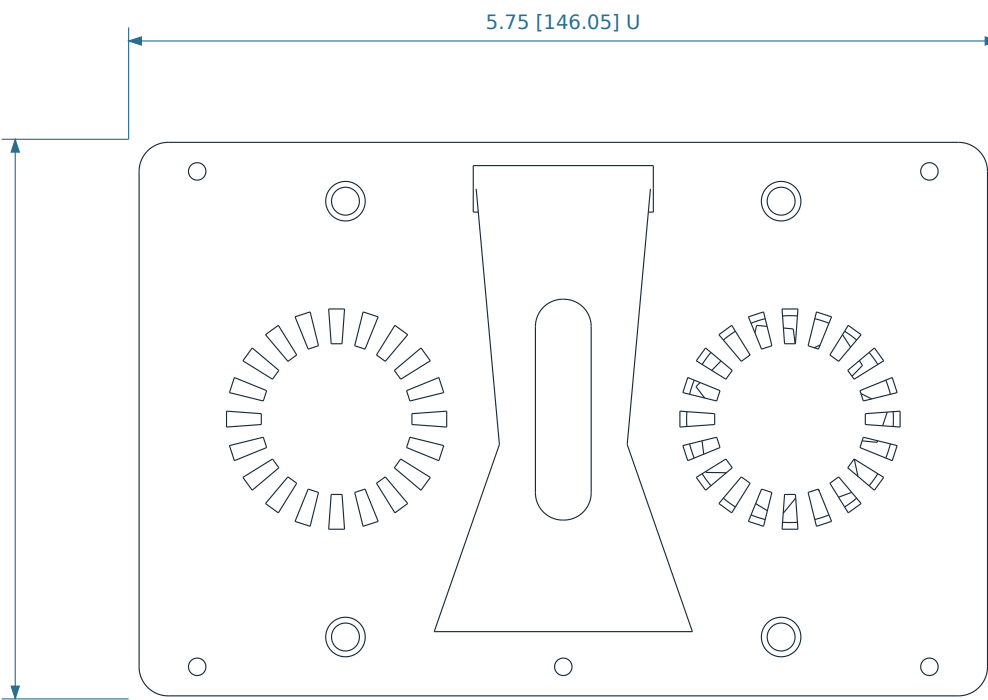
Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated
SCALE: NTS • DO NOT SCALE
A3 / no production tolerances assigned

2026-10-09 / SHEET 1 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION



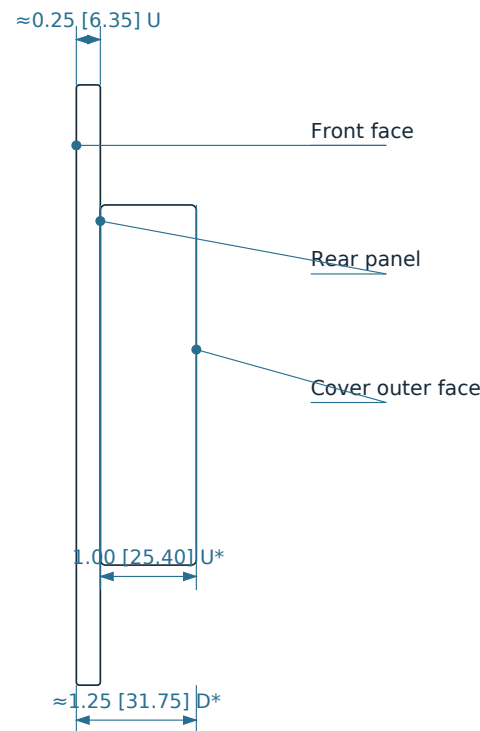
FRONT / opening dimensions U; bezel offsets E



REAR COVER / detail locations E; width/height U

75 × 75 mm hardware spacing is unverified reference geometry.

DEPTH / THREE REFERENCE SURFACES



*Depth stack is provisional.
1.00 in interpreted as added projection.
Photo 100_0169 suggests the projection may exceed 1.00 in; tape and surface are not aligned well enough to revise it.

Stand and raised screw heads extend beyond the cover plane; total installed depth / desk footprint not measured.



Depth evidence • 100_0169 • no new exact reading adopted

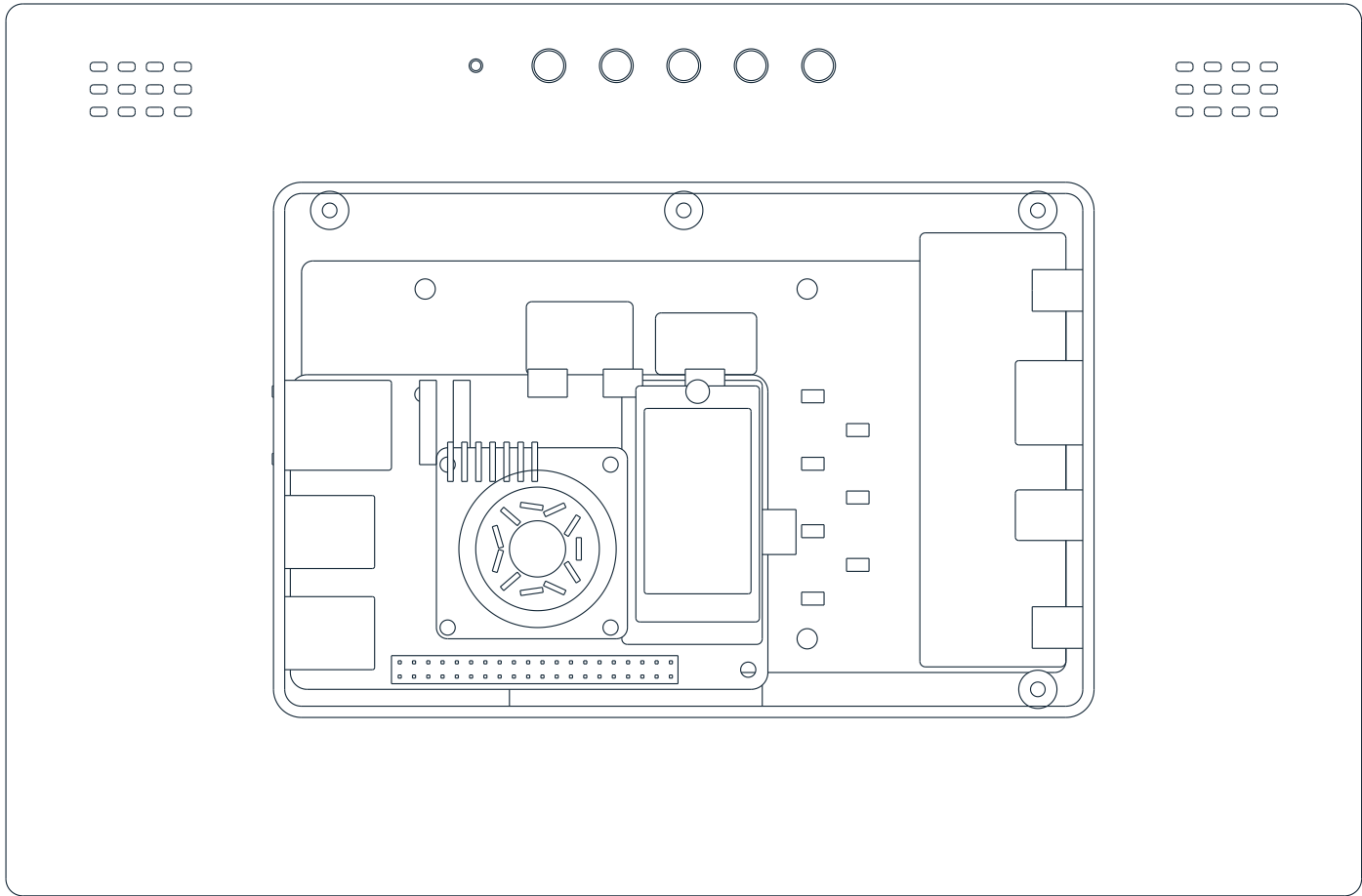
PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

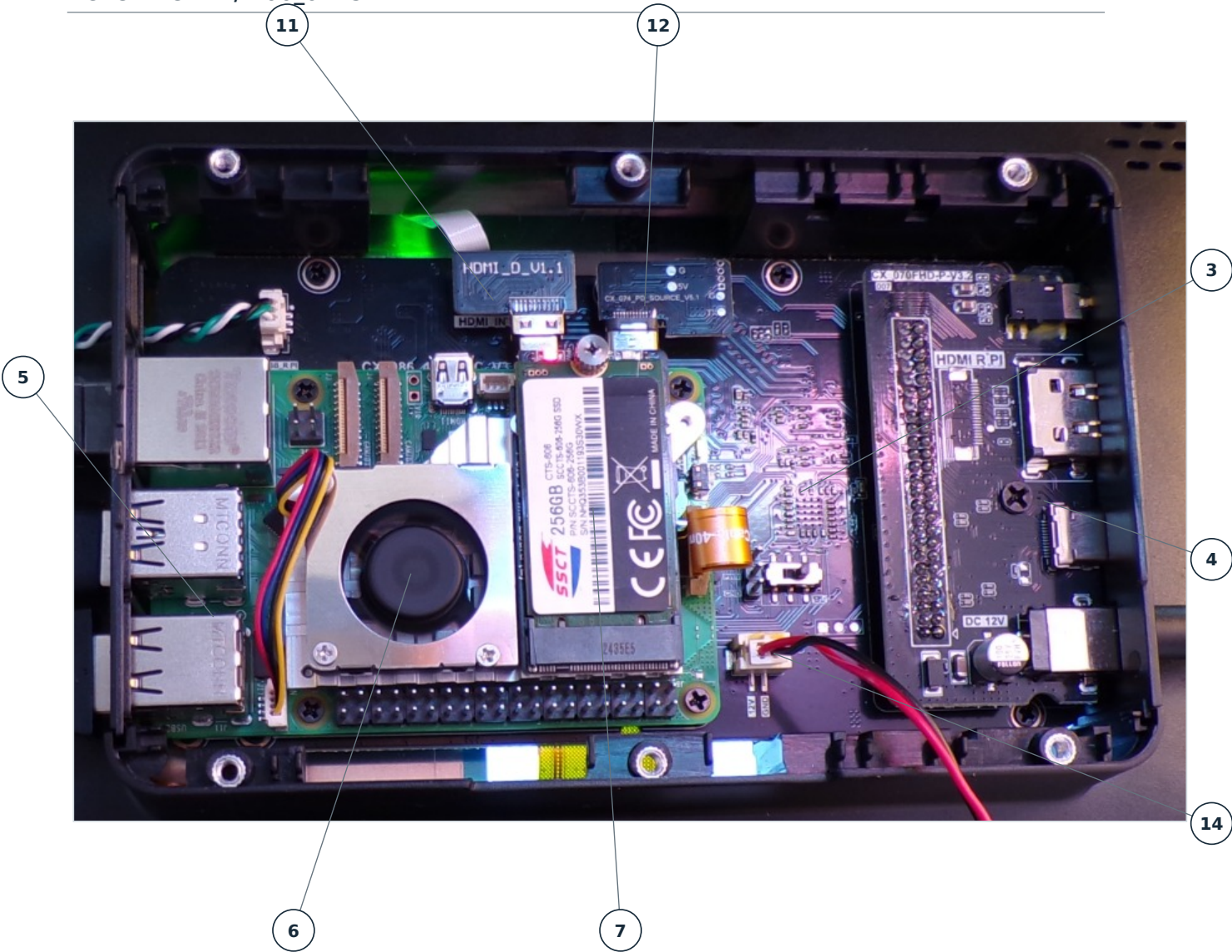
UNITS: in [mm] unless indicated
SCALE: front/profile 1:2; CAD NTS • DO NOT SCALE
A3 / no production tolerances assigned

2026-10-09 / SHEET 2 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION

REAR COVER REMOVED / CAD REFERENCE



ACTUAL UNIT / 100_0175



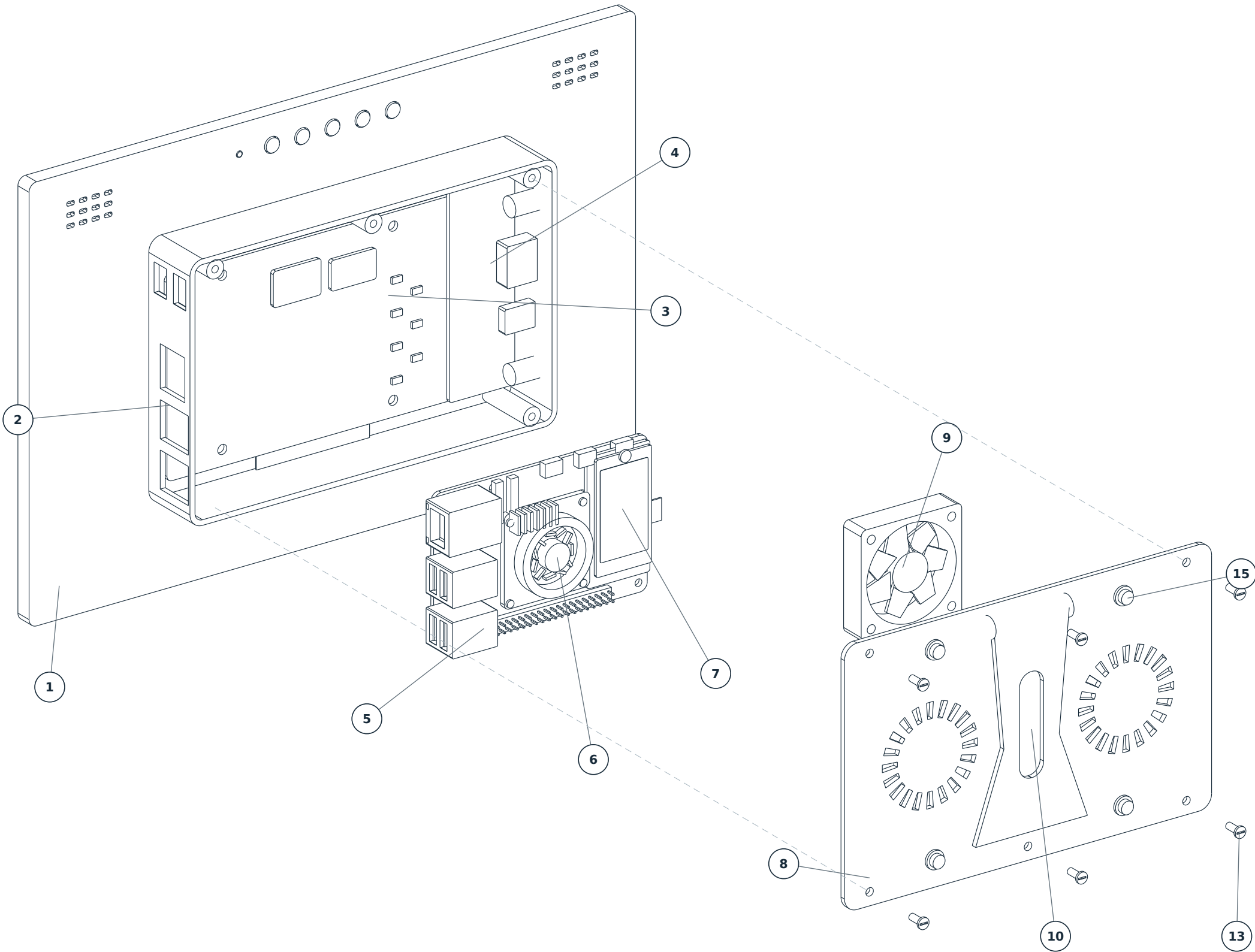
ITEM	IDENTIFICATION	OBSERVATION / LIMIT
3	Monitor carrier / driver PCB	Fixed behind Pi; full outline partly obscured.
4	Monitor I/O daughterboard	Right edge: DC input, USB-C, HDMI, audio.
5	Raspberry Pi 5	Left side; Ethernet above two USB stacks.
6	Pi cooler / adapter kit	Waveshare Board (E) includes the blower/heatsink (supplier).
7	SSD / storage adapter	Photo: SSSTC 256 GB. Shipping: KingSpec NVMe 2242 (owner).
11 / 12	HDMI / power bridge boards	Visible above Pi; model / ratings unverified.
14	Cover-fan lead	Red/black pair; cover stays electrically tethered.

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated
SCALE: NTS • DO NOT SCALE
A3 / no production tolerances assigned

2026-10-09 / SHEET 3 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION



ITEMS / SEE BOM SHEET 8

- 1 Display / rear chassis
- 2 Rear enclosure walls
- 3 Carrier / driver PCB
- 4 Monitor I/O daughterboard
- 5 Raspberry Pi 5
- 6 Pi active cooler
- 7 SSD / adapter assembly (BOM 7a / 7b)
- 8 Removable rear cover
- 9 Cover-mounted axial fan
- 10 Folding stand / hinge
- 13 Six small cover screws
- 15 Four raised cover fasteners

Pi, cooler and storage are shown moving as one module. This is a visual grouping; mounting stack is unmeasured.

Cover fan is separated here for identification; it mounts to the cover in the unit. Wire lead is omitted here.

Exploded spacing is arbitrary. No disassembly order implied.

Carrier and I/O boards stay in the housing. Hidden speaker assemblies and obscured support geometry are not invented.

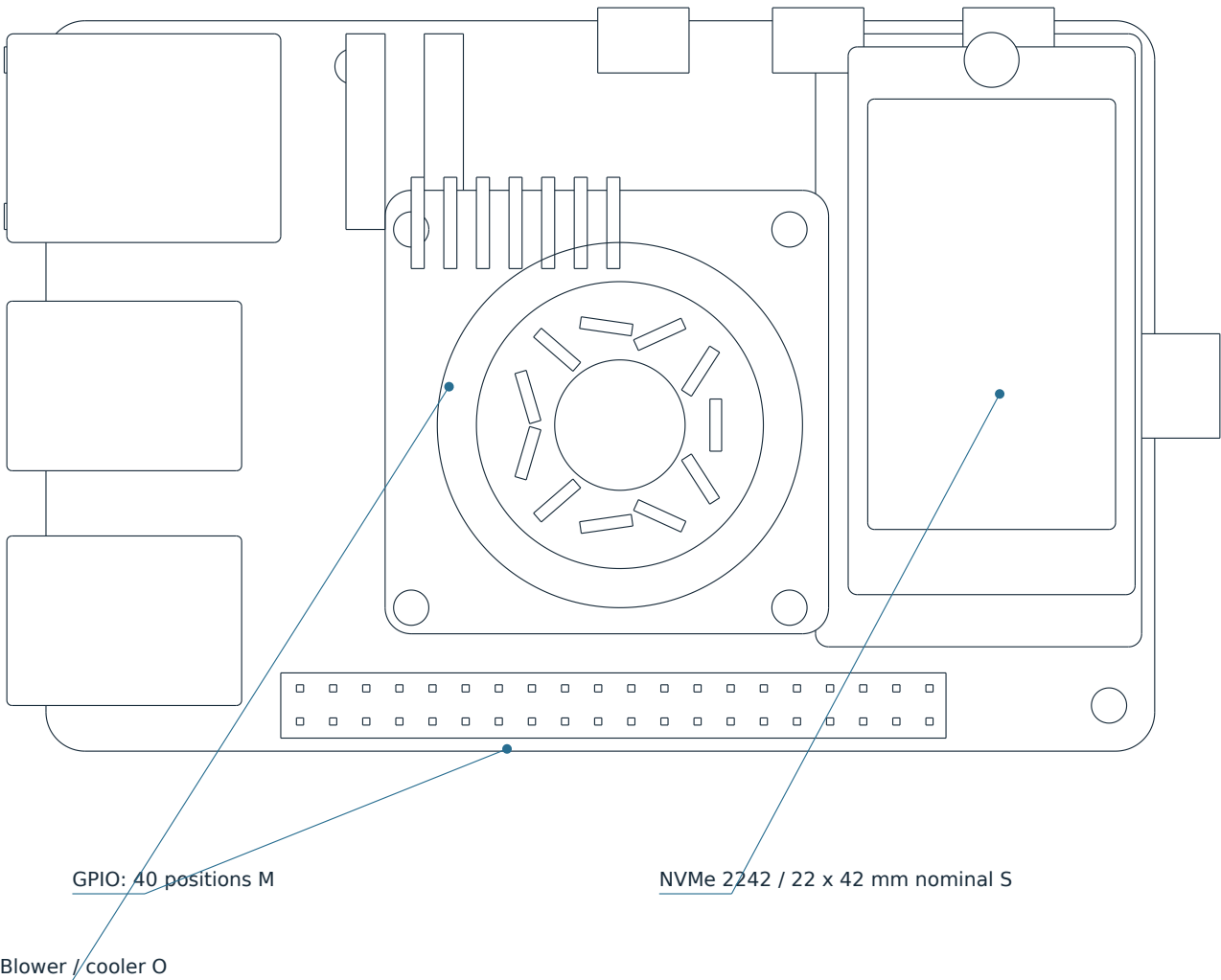
PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

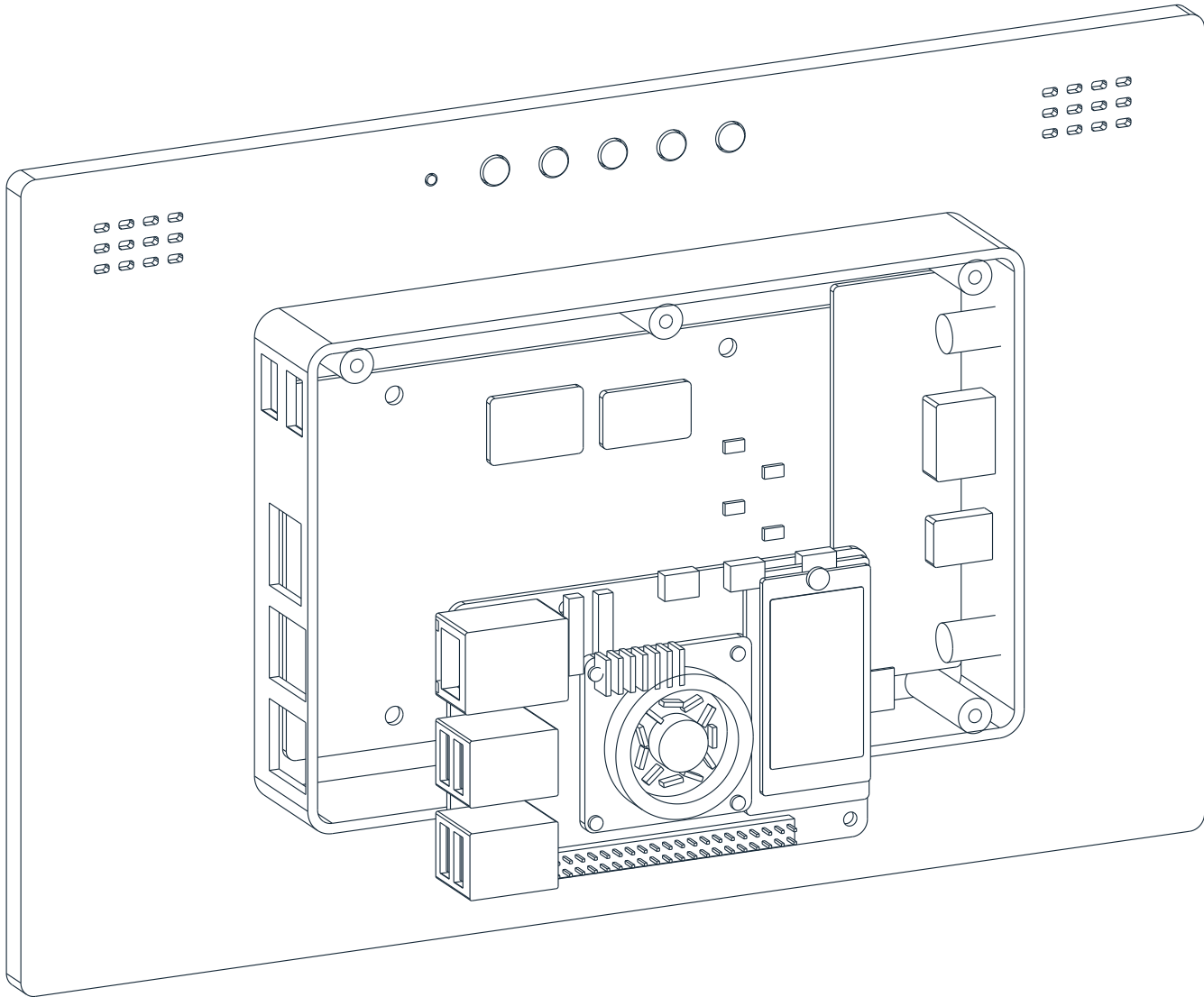
UNITS: in [mm] unless indicated
SCALE: NTS • DO NOT SCALE
A3 / no production tolerances assigned

2026-10-09 / SHEET 4 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION

MODULE / COMPONENT FACE



PI MODULE DISPLACED / REAR COVER OMITTED



PCB: 85 × 56 mm M. Hole pattern: 58 × 49 mm M.

4 × Ø2.7 mm PCB mounting holes M.
Installed orientation is 180° from the vendor top-view sheet.
All connector shells, cooler and storage outlines are visual reference geometry E; they are not cutout templates.
Shipping: Pi 5 / 8 GB; KingSpec 256 GB NVMe 2242 U/S.
Standoffs, retention and installed clearances remain open.

Two estimated cover pillars omitted to remove PCB overlap.
The photographs do not show the Pi removed from its mount.
Photo SSD is SSSTC; shipping selection is KingSpec.
Mounts remain unmeasured; cables must be accounted for before an actual removal procedure can be documented.

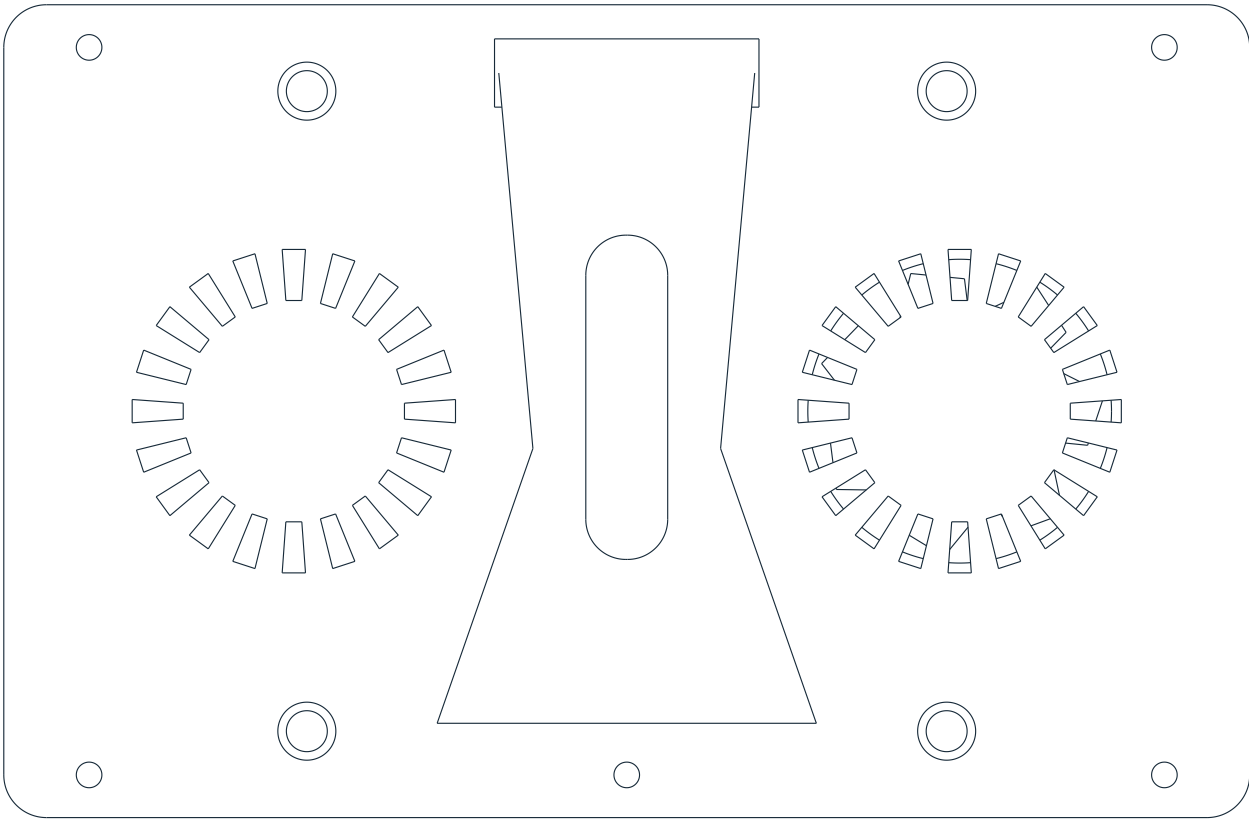
PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

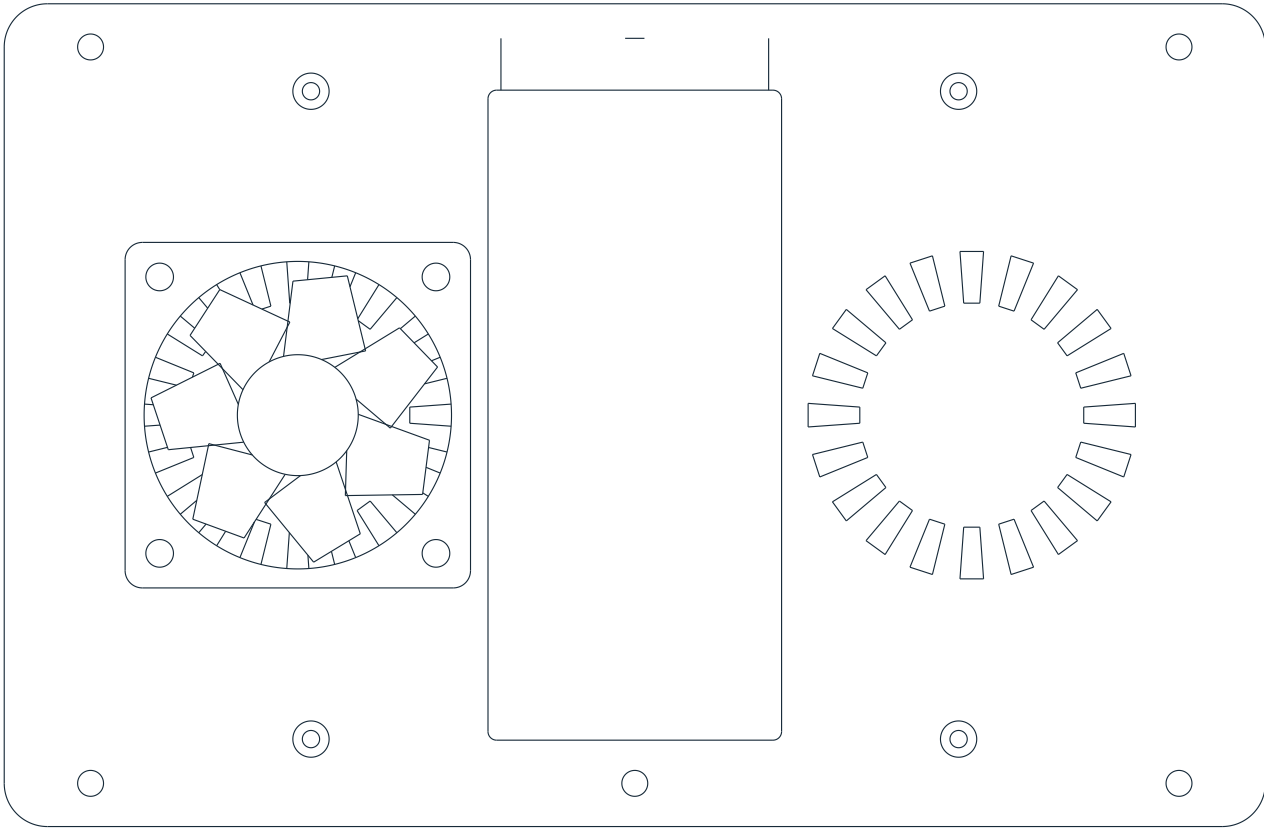
UNITS: in [mm] unless indicated
SCALE: NTS • DO NOT SCALE
A3 / no production tolerances assigned

2026-10-09 / SHEET 5 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION

OUTSIDE / STAND FOLDED

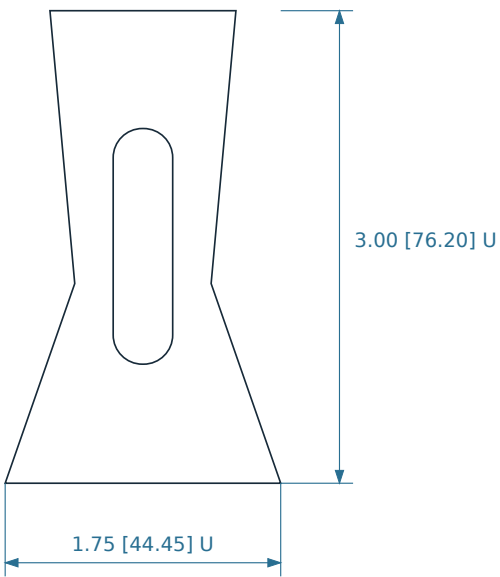


INSIDE / FAN AND HINGE



Two radial vent fields; central slotted stand; six edge fixings.

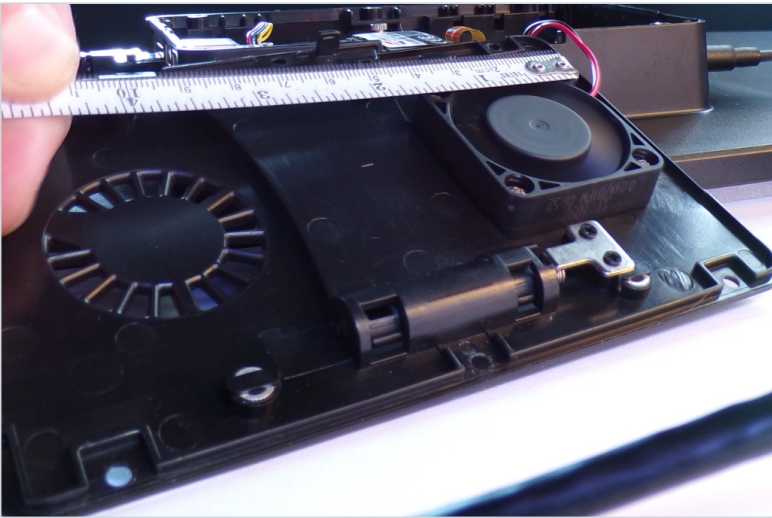
Inside view reverses left/right; fan is on the driver-board side.



Stand length / foot width: U.
Slot, neck, thickness, hinge
diameter and stop angle: E.

Cover fan rendered as 40 mm
square for reference only E.
Confirm frame size, screw pitch,
thickness, rating and airflow.

Four raised fasteners are distinct
from six small cover screws.



Inside-cover evidence • 100_0176 • tape is angled

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated
SCALE: NTS • DO NOT SCALE
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2026-10-09 / SHEET 6 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION

MONITOR I/O SIDE / LABELS OBSERVED



DC 12 V | USB-C | HDMI | AUDIO

100_0168 • label reading only; power/current/polarity not verified

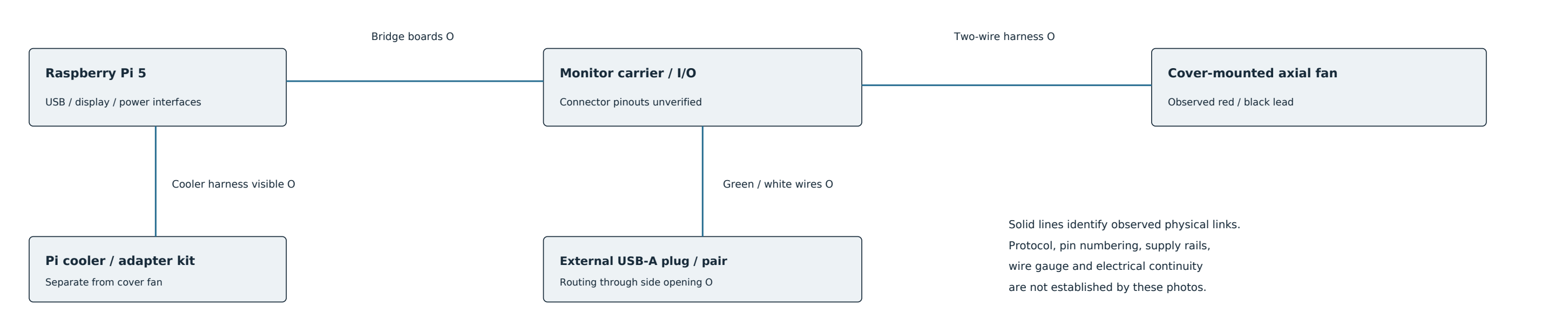
PI I/O SIDE / OPENINGS OBSERVED



Two access openings | Ethernet | two USB stacks

100_0163 • lower opening carries a green/white pair

OBSERVED CONNECTION MAP / NOT AN ELECTRICAL SCHEMATIC



Do not infer two extra usable ports from the access openings. Record their sizes and edge offsets before machining replacement panels.

The opened unit was photographed with indicators illuminated. Disconnect all power before further disassembly or probing.

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.

U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated

SCALE: NTS • DO NOT SCALE

A3 / no production tolerances assigned

2026-10-09 / SHEET 7 OF 9

SOURCE UNIT: OWNER PHOTOGRAPHS

REFERENCE ONLY / NOT FOR FABRICATION

ITEM	QTY	DESCRIPTION	BASIS	IDENTIFICATION / OPEN SPECIFICATION
1	1	Monitor assembly / rear chassis	U / S	JUNEBOX; ASIN B0F43JQRP1. Internal parts are subcomponents.
2	1	Rear enclosure / side walls	U / O	Outer dimensions U; wall sections and apertures E.
3	1	Monitor carrier / driver PCB	O	Partially obscured by Pi; supplier part no. unverified.
4	1	Monitor I/O daughterboard	O	DC 12V / USB-C / HDMI / audio labels visible.
5	1	Raspberry Pi 5	U/O/M	8 GB RAM, owner-confirmed shipping variant; 85 × 56 mm reference.
6	1	Pi cooler (part of adapter kit)	O / S	Blower + heatsink included with Board (E); not an extra purchase.
7a	1	KingSpec 256 GB NVMe M.2 2242 SSD	U / S	Shipping selection: B0F9F9DY98. Photo shows a different SSSTC SSD.
7b	1 kit	Waveshare PCIe TO M.2 Board (E)	U / M	SKU 28013; adapter/cooler kit. PCIe ribbon and retention required.
8	1	Removable rear cover	O / U	Two vent fields, six edge fixings and stand attachment.
9	1	Cover-mounted axial fan	O	Separate from Pi cooler; dimensions/rating pending.
10	1 set	Folding stand + hinge	U / O	3.00 in long × 1.75 in foot; slot and hinge visible.
11	1	HDMI bridge board	O	Visible board marked HDMI_D_V1.1; exact fit unmeasured.
12	1	Power bridge board	O	Label-based identification; pinout / rating unverified.
13	6	Small rear-cover fasteners	O	Six edge attachment points; thread and length pending.
14	1	Cover-fan lead	O	Red/black pair from carrier to cover fan.
15	4	Raised cover hardware	O	Distinct from edge screws; purpose/thread need confirmation.
16	1 set	Green/white external link	O	USB-A plug and pair through access opening observed.
17	2	Built-in speakers (monitor subparts)	S	Dual speakers per supplier; dimensions/rating/mounts unverified.
18	TBD	Pi supports / other fixings	O / E	Support stack is obscured; do not infer count or thread.

Shipping selections U/S/M are distinguished from photo evidence O. Monitor and adapter subparts are not extra purchases.

Full shipping BOM remains open: PSU, shipped cables/accessories, mounting hardware and exact installed clearances.

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.

U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated
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2026-10-09 / SHEET 8 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION

OWNER DIMENSIONS RETAINED

FEATURE	INCHES U	MILLIMETERS
Overall enclosure	9.50 × 6.25	241.30 × 158.75
Visible screen opening	8.25 × 5.25	209.55 × 133.35
Rear outer envelope	5.75 × 3.75	146.05 × 95.25
Rear projection*	1.00	25.40
Panel thickness	≈0.25	≈6.35
Stand length / foot width	3.00 / 1.75	76.20 / 44.45

*Additional projection assumed; overall depth ≈31.75 mm D.
Photo 0169 is not sufficient to resolve the apparent depth mismatch.
Written measurements retained without adding false precision.
No new exact dimensions extracted from blurred/oblique tapes.

MEASUREMENTS STILL NEEDED FOR MANUFACTURING USE

- A Rear projection using two defined surfaces; panel thickness separately.
- B Rear enclosure offsets from outer panel edges; actual corner radii.
- C Hole-center coordinates, thread/pitch, screw length and engagement.
- D Connector cutouts: width, height, corner radii and edge offsets.
- E Cover/sidewall thickness; stand slot, hinge and stop geometry.
- F Enclosure fan size/rating; speaker rating; SSD retention and fit.
- G Pi standoff heights and cable slack/clearance with cover fully fitted.

Photographs establish identity and arrangement; they do not establish tolerances, material grades, electrical ratings or hidden geometry.

CAD: assembled + exploded STEP; illustrative geometry. See model_manifest.json and REVISION_NOTES.txt.

PHOTO REGISTER / ALL 13 REVIEWED

100_xxxx.JPG	EVIDENCE / LIMIT
0159 / 0161	Stand / rear depth; tape perspective and focus limits.
0163	Pi side: USB, Ethernet, two openings, external pair.
0164 / 0170	Cover, raised hardware, stand and grille layout.
0167	Cover measurement; scale is out of focus.
0168 / 0169	Monitor port labels; rear-projection evidence.
0174 / 0175	Installed Pi, cooler, SSD, boards and fan harness.
0176	Cover underside, hinge, axial fan; angled tape.
0177 / 0179	Internal stack / Pi-side depth; oblique measurements.

SOURCE CONTROL / DRAWING BASIS

Rev D.1: label refinements; Rev D geometry and dimensions retained.
U: owner dimensions, 8 GB RAM and 256 GB NVMe shipping choice.
O: uploaded photos 100_0159–100_0179, listed above.
M: Raspberry Pi drawing and Waveshare Board (E), SKU 28013.
S: JUNEBOX B0F43JQRP1; KingSpec B0F9F9DY98 listings.
E: illustrative geometry. Photos retain the older SSSTC drive.

Source URLs and revision limitations: REVISION_NOTES.txt
datasheets.raspberrypi.com/rpi5/
raspberry-pi-5-mechanical-drawing.pdf

PHOTO-INFORMED REFERENCE / DIMENSIONAL VERIFICATION OPEN

Owner envelopes retained; minor geometry estimated. Photo SSD differs from shipping selection.
U owner confirmed | O observed photo | M manufacturer | S supplier | E estimate | D derived

UNITS: in [mm] unless indicated
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2026-10-09 / SHEET 9 OF 9
SOURCE UNIT: OWNER PHOTOGRAPHS
REFERENCE ONLY / NOT FOR FABRICATION