

SAMA 4

LUXTRON
SYSTEMS



*4in touch panel for all
your custom HMI needs*



A 4" in-wall touch panel that runs whatever you build for it. Android 11 or Debian Linux, powered and networked over a single PoE cable, with RS485 onboard for local field devices.

Unlike closed control panels, SAMA 4 is not tied to one protocol or one manufacturer's ecosystem. Install your own app or a third-party one, and drive DALI, KNX, BACnet or Modbus through the site controller or gateway already on the network. The result is one panel design across every project, regardless of which system sits behind it.

Technical Data

Input Power	AC 110-240V, 50 Hz PoE, IEEE 802.3af
Processor	RK3566 Quad-core Cortex-A55
Memory	2 GB RAM / 32 GB ROM
Operating System	Android 11 or Debian Linux
Display	4" IPS panel 480 x 480 300 cd/m ²
Touch Technology	Capacitive multi-touch with gesture support
Network	Ethernet 10/100 Mbps Wi-Fi 802.11 b/g/n Bluetooth Low Energy 5.2
Wired Interfaces	1 x RJ45 (PoE) 1 x USB Type-C 1 x RS485
Audio	Integrated speaker 2 x microphone (Android only)
Onboard sensors	Light, temperate and humidity (on request only)
IP rating	IP 20
Operating temperature	-10 °C to +60 °C
Dimensions	86.00 x 85.00 x 36.00 mm
Mounting	In-wall EU or Table stand

Salient features

- Open Android or Linux platform. Run your own custom or third-party control app, not locked to any single ecosystem.
- Protocol agnostic. Can drive DALI, KNX, BACnet or Modbus systems through the site controller or gateway.
- RS485 onboard for direct connections to local field devices
- Optional light, temperature and humidity sensing built into panel frame.
- Fits standard EU and 86 mm back boxes, available in black or white finishes.



Integration services

SAMA 4 runs a standard Android or Linux environment rather than locked vendor firmware, so the panel application can be built around the systems already specified on a project instead of the project being shaped around the panel.

Where a system exposes a documented API, whether over IP, serial, RS485 or a local gateway, Luxtron can develop the interface and the panel UI to suit. This applies to lighting controllers, HVAC and BMS platforms, motorised blinds, AV and room booking systems, access control and other building services. Systems without a published interface can often still be reached through an IP gateway or a site controller already on the network.

Responsibilities stay clearly divided. The panel handles the front end and the client-facing screens, while control logic, scheduling and scene storage remain with the existing site controller, so commissioning and servicing follow the model the project already uses.

Layouts, scene naming, graphics and branding are built to the project specification and deployed consistently across every panel on site. Integration work is assessed against the available system documentation and quoted per project.

Example installations

