DATASHEET

**Adquio Wall Screen 8”**
Casambi Ready control screen
Casambi and HMI for Adquio, customizable

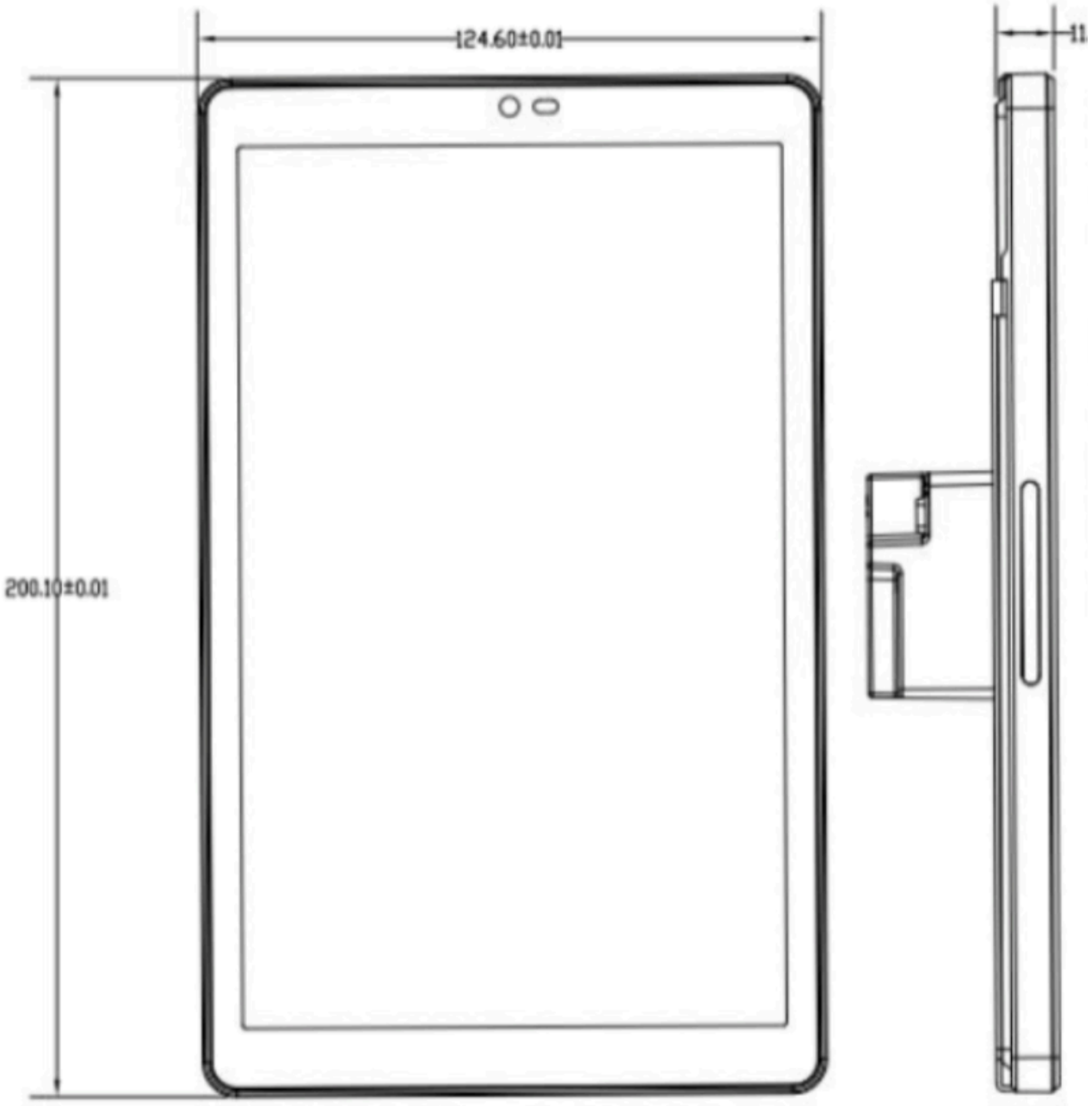
# 1 Ordering information

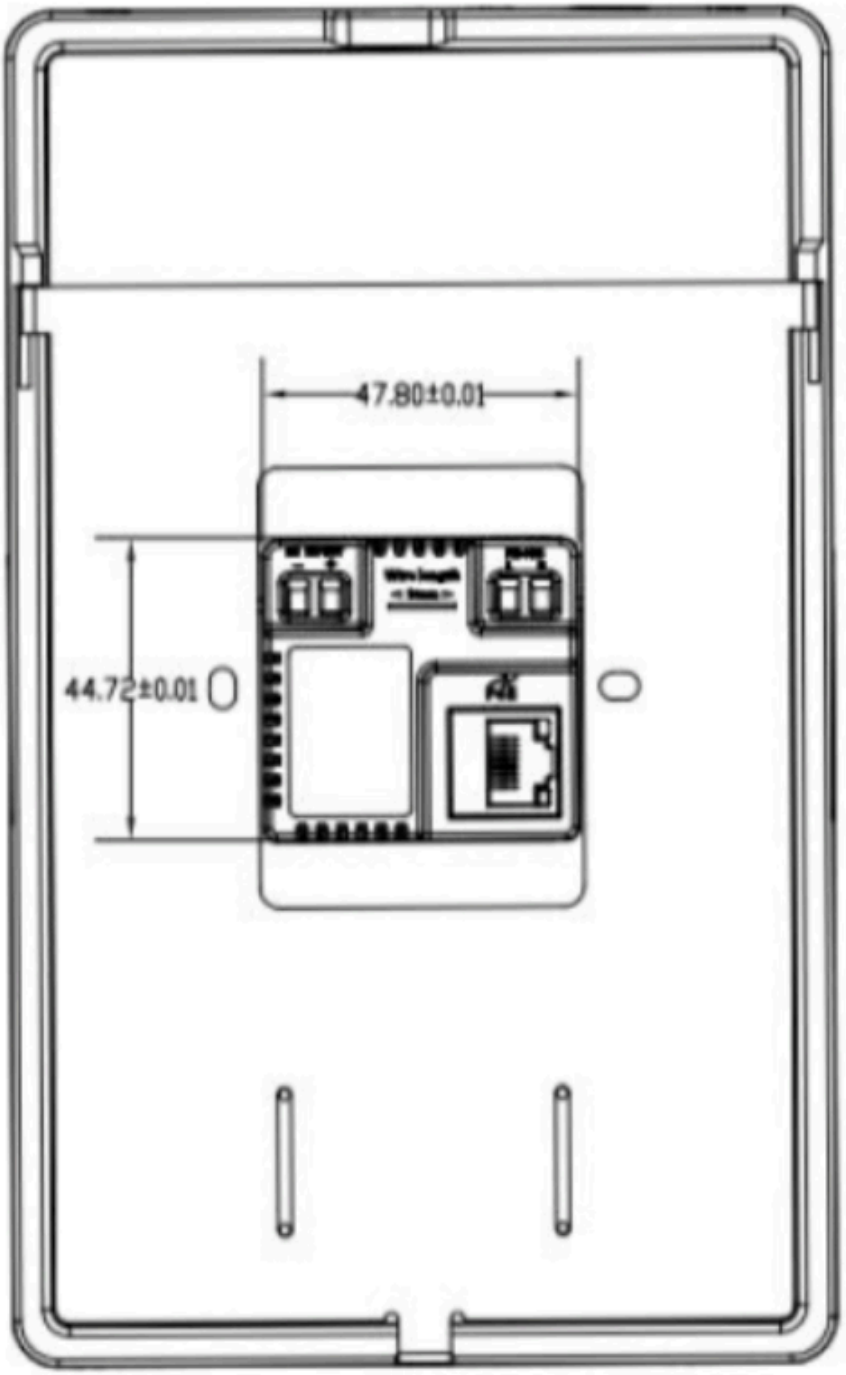
| Reference | Description | Life cycle * |
|---|---|---|
| ADQ-WSCR8/1ETH/1USB/WIFI/BLE/CR | Adquio 8” screen. It is installed in a standard European or American hole for a mechanism. Designed for continuous operation with 100% stability. Casambi APP pre-installed, can work as HMI for any Adquio controller. | Active |

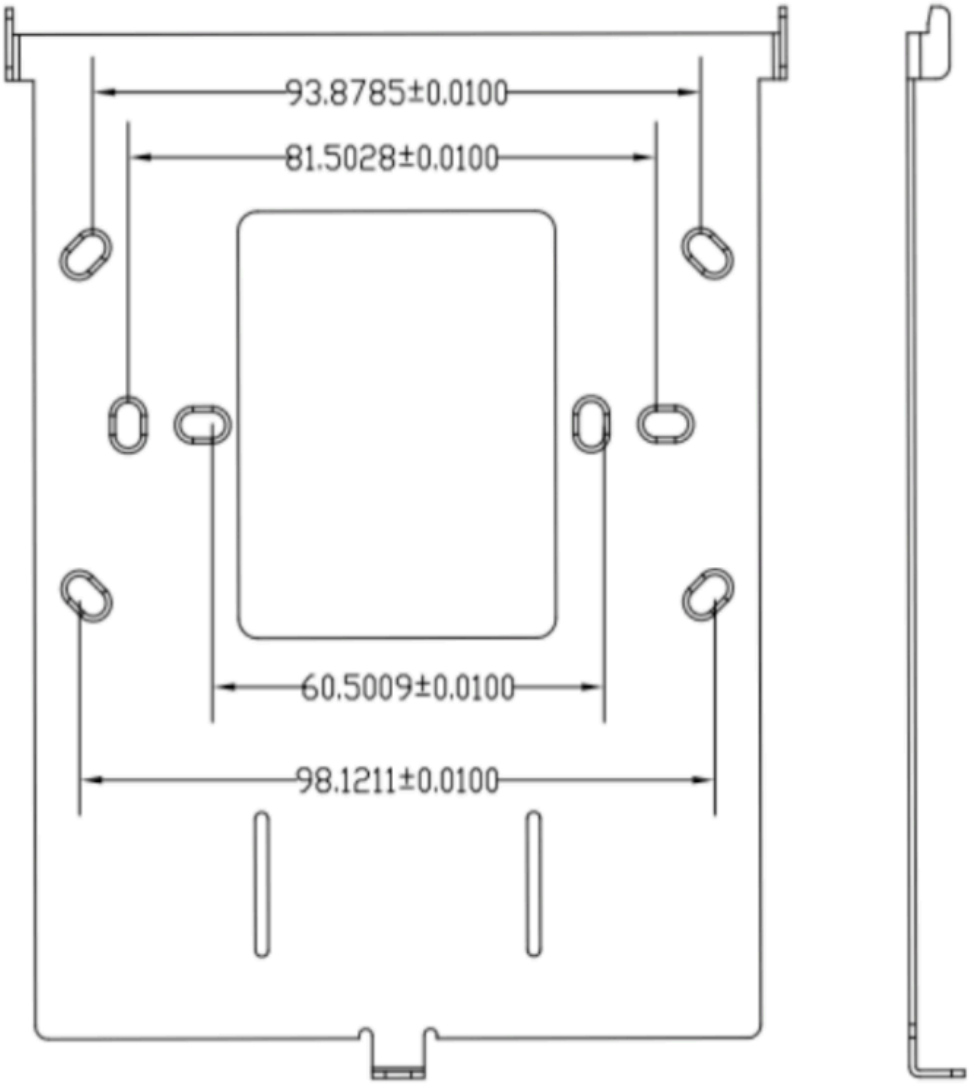
* For the planning and start-up of new installations, use modules in Active status only.

Model available in Black, White only available for minimum orders of 100 units.

## 2 Dimensions




47.80±0.01
44.72±0.01


93.8785±0.0100
81.5028±0.0100
60.5009±0.0100
98.1211±0.0100

# 3 Technical data

| Parameter | | Value |
|---|---|---|
| Process voltage | | |
| | Connections | 12V direct current power terminal blocks |
| | Nominal value | 12 V DC |
| | power adapter | Optional (Not included) |
| | POE | Yes, IEEE 802.3 at/off |
| Consumption | | |
| | At 12 V direct current | Maximum 1 A |

CAUTION!
Exceeding the maximum power supply voltage for the process or supply voltages could cause irreparable damage to the system. The system could be destroyed.

CAUTION!!
Inadequate connection cables cause overheating of the terminals.
Adquio Wall Screen 8” can be destroyed if the wrong cable type, cable size or cable temperature rating is used.

## 3.1 Technical data of the display

| Parameter | Value |
|---|---|
| Size | 8” |
| Resolution | 1280 × 800 pixels |
| Viewing angle | Left 85º Right 85º Up 85º Down 85º |
| Technology | Led, IPS |
| Glow | 250 Cd/m2 |
| Material | Glass |
| Touch technology | Capacitive |

## 3.2 Technical data of the processor and memory

| Parameter | Value |
|---|---|
| CPU | RK3566 4-core Cortex-A55 64 Bits |
| Frequency | 1416  GHz |
| Energy efficiency | Yes |
| Memory | 2 Gb |
| Internal storage | 22 GB Free |

## 3.3 Technical data of communications

| Parameter | | Value |
|---|---|---|
| Network | | |
| | Ethernet RJ45 | 100 Mb/s with POE IEEE 802.3 at/af |
| | Wifi | B/G/N  2.4 y 5 Ghz |
| USB | | |
| | USB-C | OTG |
| Bluetooth | | |
| | Version | 4.2 |
| RS-485 | | |
| | Modbus RTU | For future uses |

## 3.4 Installation technique

| Parameter | Value |
|---|---|
| In standard 60 or 81.5 mm box between horizontal screws | In the space of a standard European or American switch |

## 3.5 Technical data of the OS

| Parameter | Value |
|---|---|
| Type | Android |
| Version | 13.0 |
| Play Store | Yes |

## 3.6 Compatibility tested

| Parameter | Value |
|---|---|
| Casambi App | Yes |
| Adquio HMI | Yes |
| Alexa App | Yes |
| Home Assistant | Yes |

# 4 System data

## 4.1 Environmental conditions

| Parameter | | Value |
|---|---|---|
| Temperature | | |
| | Operation | 0°C...+40°C (horizontal mounting) |
| | Storage | -40 ° C ... + 70 ° C |
| | Transport | -40 ° C ... + 70 ° C |
| Humidity | | Max. 95% condensation free |
| air pressure | | |
| | Operation | > 800 hPa / <2000 m |
| | Storage | > 600 hPa / <3500 m |
| Isolation | | IP20 |

## 4.2 Mechanical data

| Parameter | Value |
|---|---|
| Mounting | Horizontal or vertical |
| Protection level | IP20 |
| Case material | ABS UL-94-HB Black |
| **Mounting alternatives** | |
| Mounting with three screws | The ones already present in the embedding box on your wall are used. One more to fix the Screen. |

## 4.3 Certifications

| Parameter |
|---|
| CE, Rohs (Available if you need the documents) |

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