

KH01 Display Controller



RS485
INPUT

OUTPUT

KH01 Display Controller: Creating Real-time Air Quality Display Board

Utilizing the KH01 Display Controller, we've developed a robust air quality information board by seamlessly integrating iAeris air quality detection values onto an LCD screen in real-time. With its RS485 input terminals, the KH01 swiftly captures iAeris sensor data and presents it crisply on the LCD screen through HDMI output.

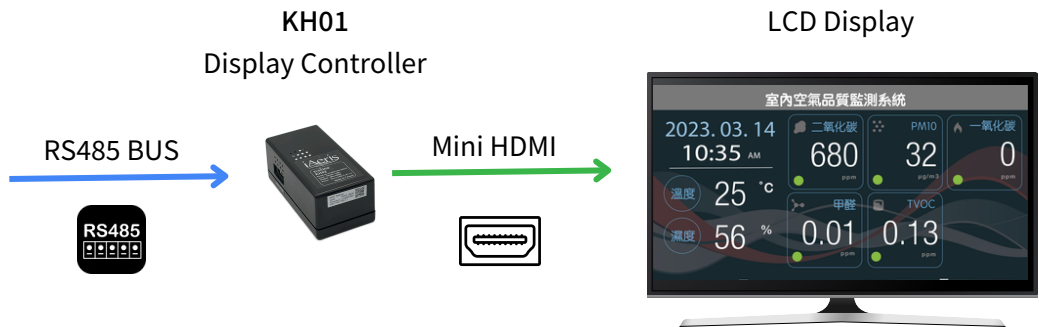
The system ensures clarity and accuracy in conveying essential air quality information. Its versatility makes it well-suited for deployment in a variety of environments, including lobbies, offices, and public spaces, where it serves as a reliable resource for users seeking real-time air quality updates.

Product Features

- **Instant Display:** iAeris sensor data is shown in real-time on an LCD screen.
- **Powerful Functionality:** The KH01 Screen Controller swiftly captures iAeris sensor values via RS485 input and displays them clearly with HDMI output.
- **High Definition:** HDMI output ensures crisp visuals.
- **Wide Applicability:** Perfect for public spaces, offering real-time, accurate air quality information for effective management.

System Architecture

iAeris
Air Quality Detectors



Connection Ports

POWER	INPUT	Micro USB Power Port : DC 5V
RS485	INPUT	RS485 A(+), B(-)
HDMI	OUTPUT	Mini HDMI Port

Technical Specifications

INPUT	RS485
OUTPUT	Mini HDMI
POWER INPUT	DC 5V, 1A
OPERATING TEMPERATURE	0°C ~ 40°C
OPERATING ENVIRONMENT	20% ~ 80%
DIMENSIONS	95mm(L) x 48mm(W)x 41mm(H)
SCREEN DISPLAY	Sensor factors switching automatically based on connected model

Note : 1. This product is designed to be used with iAeris series. The display switches automatically based on connected iAeris model.
2. External screen best resolution is 1920 x 1080. For resolution changes, contact manufacturer for support.

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sysinno
Sysinno Technology Inc
17F.-7, No.27, Guanxin
Rd., Hsinchu City 300052, Taiwan
TEL +886-3-5730550
FAX +886-3-5799995