ICP DAS

iKAN-116A-IP65
Single-row, 8/16-Character Industrial Modbus LED Display, IP65

iKAN-124A-IP65
Single-row, 12/24-Character Industrial Modbus LED Display, IP65

iKAN-208A-IP65
iKAN-216A-IP65   iKAN-224A-IP65
Double-row, 8/16-Character Industrial LED Display with Modbus/TCP protocol, IP65
Double-row, 16/32-Character Industrial LED Display with Modbus/TCP protocol, IP65
Double-row, 24/48-Character Industrial LED Display with Modbus/TCP protocol, IP65

⊞ Features

- ■ Supports Modbus TCP Slave and Modbus RTU Slave protocols
- ■ Can be remotely controlled using a smart phone or other mobile device
- ■ 7 colors, including red, blue, yellow, green, light blue, purple and white
- ■ Able to store up to 128 messages
- ■ Web-based User Interface
- ■ Able to integrate both text and variables in a single message
- ■ Built-in RTC (Real Time Clock)
- ■ Supports multiple languages with a text height of 16 cm
- ■ The iKAN IP65 module isn't RoHS compliant

▤ Introduction

The iKAN series is a family of industrial LED message display devices that deliver industrial-grade anti-noise capabilities as well as reliability and stability. ASCII characters and Unicode characters, which can be used to display multiple languages, are supported for presenting formatted messages. Support for the popular Modbus industrial protocol is provided meaning that iKAN display devices can be easily integrated into existing PLC and SCADA environments.

The iKAN series allows data written from a PC or a PLC to be displayed in a formatted message in real-time. Seven colors are available for the text, which can be used to indicate different degrees of importance of the message, as well as significantly increase the readability of the message in an industrial arena.

Messages can be edited using a standard web browser, such as Google Chrome, Firefox, or IE, etc., on a PC, mobile device, or smartphone without any limitations related to specific control tools or programs. With an open user interface and the ability to display real-time data, the iKAN series of display devices are highly suitable to be applied in a variety of indoor or semi-outdoor spaces, including shopping malls, railway stations, and industrial areas.

Smart Control with a Smartphone

The iKAN display allows you to edit messages and control the display using your smartphone. This is very useful when you need to quickly and efficiently display an emergency message to a large number of readers.

IP65 Rating

The iKAN IP65 model is totally waterproof and dustproof so it can be installed in dirty, soiled, or semi-outdoor environments, such as eaves, open halls, outdoor canopies, or beneath a sunroof.

Message Priority

Messages with instant priority have a higher priority than other messages. Once a message with instant priority is enabled, the common message currently being displayed will be suspended until the instant message is disabled. This feature allows the most important information to be displayed in an emergency situation.

▤ Applications

PLC HMI

Each model in the iKAN series provides storage space for up to 128 messages with priority configuration, and 168 variables to allow data written from a PLC to be displayed in a formatted message in real-time. Furthermore, Modbus commands can be sent from the PLC to display a message or hide it, or to transfer ASCII string to be displayed on the iKAN.
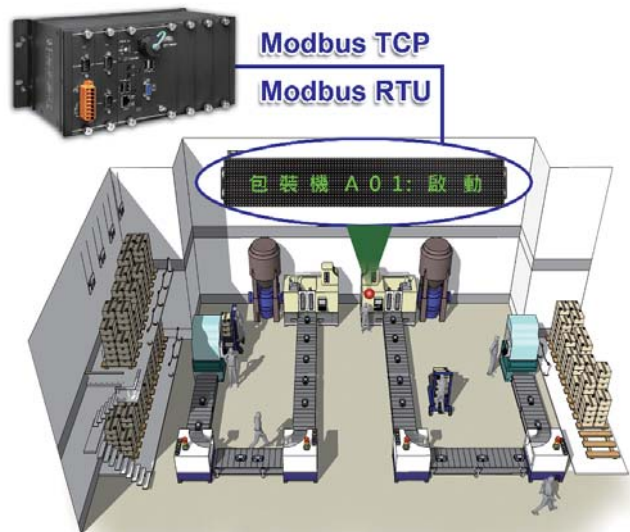
Indoor Air Quality Display

The iKAN device can be use to display indoor air quality indexes from ICP DAS DL sensor modules, including details of the CO, CO2, and PM2.5 levels, the temperature, and the humidity, without requiring any programming skills or knowledge.


DL-302

## ◼ Specifications

Model	iKAN-116A-IP65	iKAN-124A-IP65	iKAN-208A-IP65	iKAN-216A-IP65	iKAN-224A-IP65
Display					
Text Color	Red, Blue, Yellow, Green, Light Blue, Purple or White				
Character Sets	16 x 16 Unicode or 8 x 16 ASCII				
Display Size — Line	1	1	2	2	2
Display Size — ASCII Characters	16	24	16	32	48
Display Size — Unicode Characters	8	12	8	16	24
Message Pool	128 common messages with user-defined priority levels, Up to 20 Unicode characters or 50 ASCII characters each				
Data Pool	40 Coil values, 64 Float values, and 64 Integer values				
RTC (Real-time Clock)	Date and time, 24 hour format including second, minute, hour, date, day of the week, month, year				
Ethernet					
Port	2 × RJ-45, 10/100 Base-TX				
Protocol	Modbus TCP Master/Slave, Max. 8/8 connections				
Configuration	Web-based User Interface				
COM Port					
Port	2 × RS-485				
Protocol	Modbus RTU Master/Slave				
Baudrate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200				
Data Format	N81, E81, O81				
Power					
Input Range	DC 5V				
Consumption	20A @ DC 5V (100W)	30A @ DC 5V (150W)	20A @ DC 5V (100W)	40A @ DC 5V (200W)	60A @ DC 5V (300W)
Mechanical					
Dimensions (mm) (W × H × D)	1347 × 160 × 81	1987 ×160 × 81	707 x 320 x 50	1346 x 320 x 49	1986 x 320 x 49
Weight	4.6 Kg	5.4 Kg	4.0 Kg	8.0 Kg	12.0 Kg
Installation	Wall mounting				
Housing Material	Aluminum				
Environment					
Operating Temperature	0 ~ +60°C				
Storage Temperature	-10 ~ +75°C				
Humidity	10 ~ 90% RH, Non-condensing				

Dimensions (Units: mm)

iKAN-116A-IP65
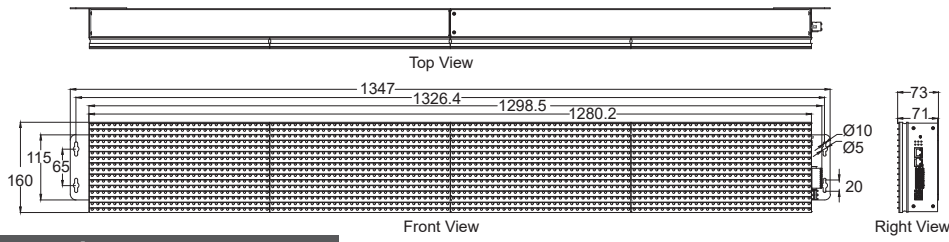
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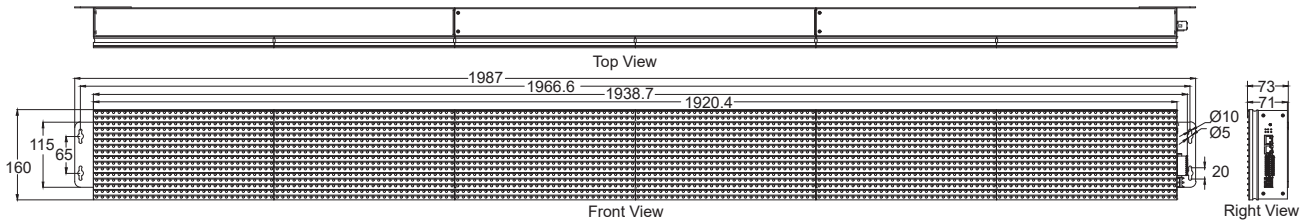
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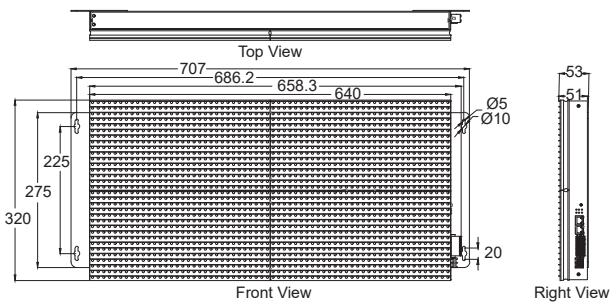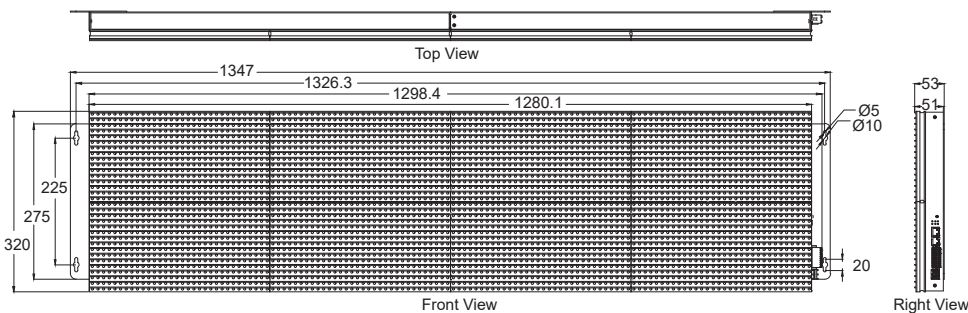
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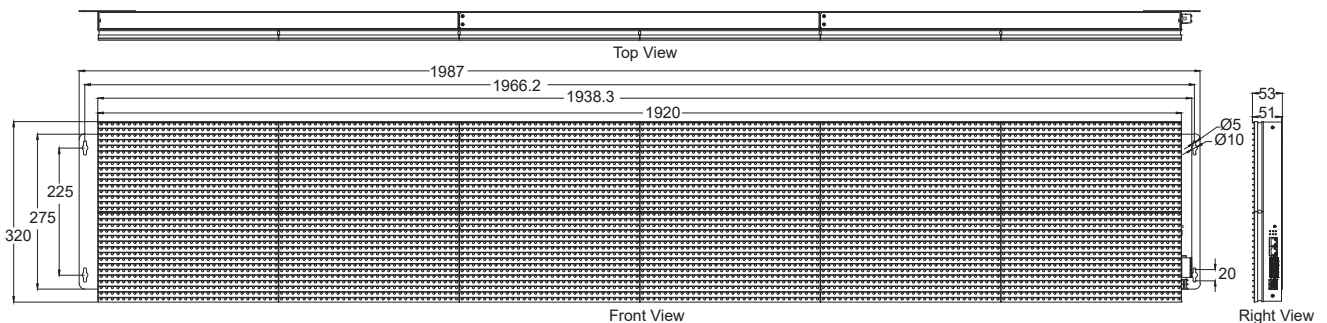
iKAN-224A-IP65

Ordering Information

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