



iKAN-116
iKAN-124



iKAN-116S
iKAN-124S



iKAN-208
iKAN-216
iKAN-224

Features

- Web-Based User Interface
- 7-color display with a text height of 16/11.5 cm
- Able to store up to 128 messages with priority configuration
- Supports multiple languages (Glyphs for Arabic, Indian and Thai alphabets are not included)
- 168 variables available for displaying real-time data in a text message
- Can be remotely controlled via a PLC, PC or smartphone
- Supports Modbus TCP/Modbus RTU/CGI protocols
- Able to display indoor air quality indexes from DL modules without any controller



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.



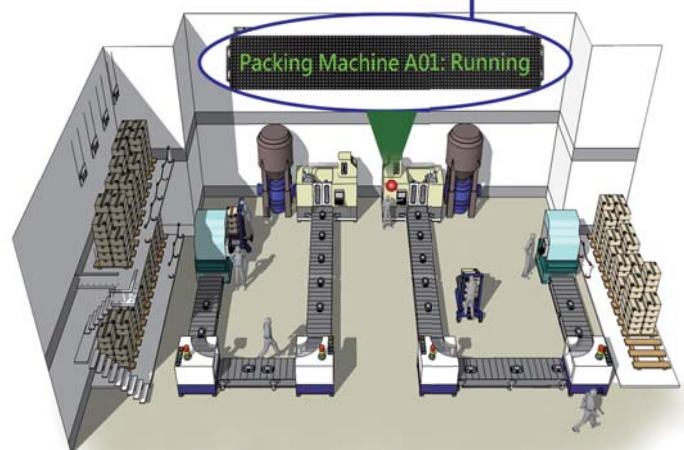
Message Priority

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

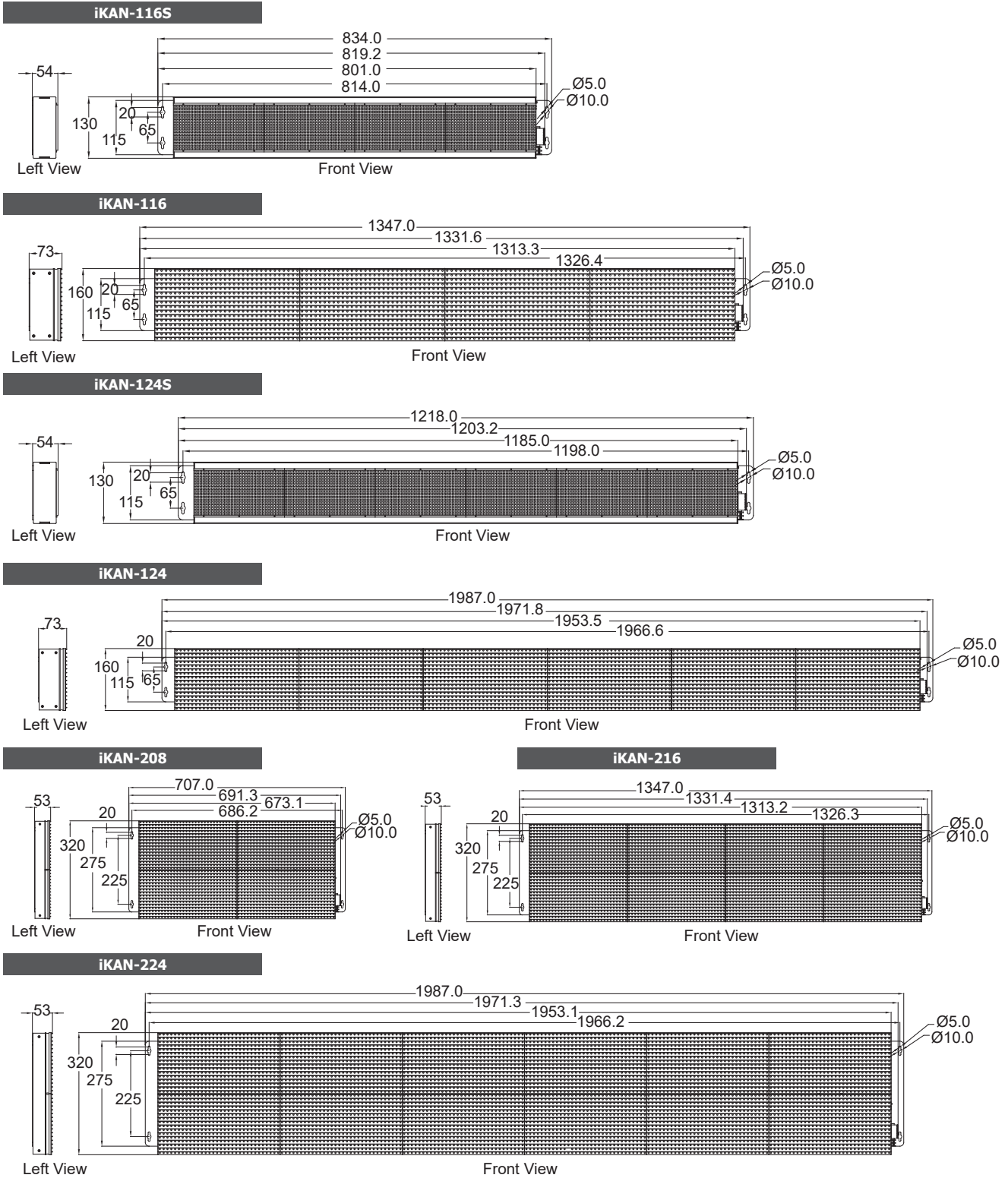
The iKAN device can be used to display indoor air quality indexes from ICP DAS DL sensor modules, including details of the CO, CO₂, and PM_{2.5} levels, the temperature, and the humidity, without requiring any programming skills or knowledge.



Specifications

Model	iKAN-116	iKAN-116S	iKAN-124	iKAN-124S	iKAN-208	iKAN-216	iKAN-224
Display							
Text Color	Red, Blue, Yellow, Green, Light Blue, Purple or White						
Character Sets	16-bit Unicode or 7-bit ASCII						
Display Size	Line	1	1	1	1	2	2
	ASCII Characters	16	16	24	24	8	16
	Unicode Characters	8	8	12	12	4	8
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	100 ~ 240 VAC						
Consumption	0.3 A @AC 120V	0.3 A @AC 120V	0.35 A @AC 120V	0.35 A @AC 120V	0.3 A @AC 120V	0.4 A @AC 120V	0.5 A @AC 120V
Mechanical							
Dimensions (mm) (W × H × D)	1346 × 160 × 49	835 × 115 × 37.5	1986 × 160 × 49	1218 × 115 × 37.5	707 × 320 × 50	1346 × 320 × 49	1986 × 320 × 49
Weight	4 Kg	2 Kg	4.6 Kg	2.5 Kg	4 Kg	8 Kg	12 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)



■ Ordering Information

iKAN-116	Single Line, 8/16-Character Industrial LED Display with Web-based User Interface
iKAN-116S	Single Line, 8/16-Character, Small-sized, Industrial LED Display with Web-based User Interface
iKAN-124	Single Line, 12/24-Character Industrial LED Display with Web-based User Interface
iKAN-124S	Single Line, 12/24-Character, Small-sized, Industrial LED Display with Web-based User Interface
iKAN-208	2-line, 4/8-Character Industrial LED Display with Web-based User Interface
iKAN-216	2-line, 8/16-Character Industrial LED Display with Web-based User Interface
iKAN-224	2-line, 12/24-Character Industrial LED Display with Web-based User Interface