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

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

▣ 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
- ■ 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.
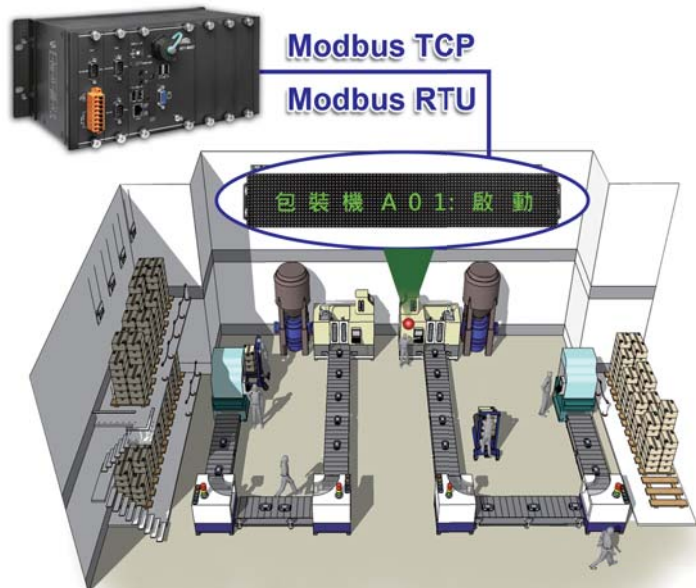
Message Priority

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.

Modbus TCP
Modbus RTU

包裝機 A01：啟動

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.
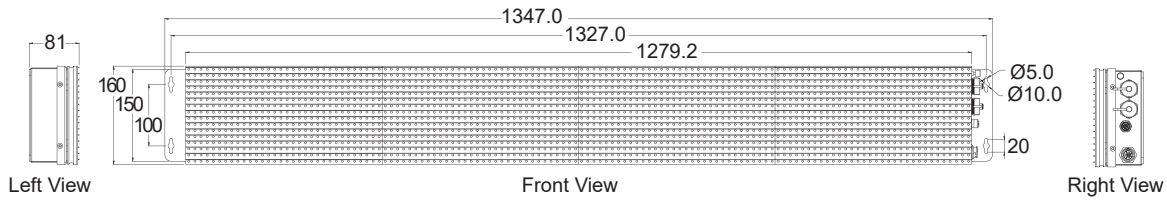

DL-302

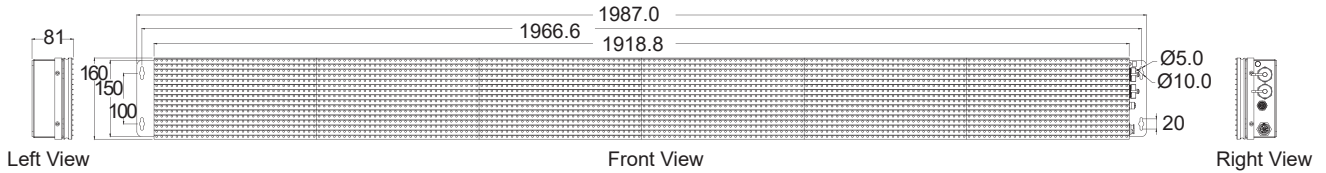## ■ Specifications

Model		iKAN-116A-IP65	iKAN-124A-IP65
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
	ASCII Characters	16	24
	Unicode Characters	8	12
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	0.35 A @AC 120V
Mechanical			
Dimensions (mm) (W × H × D)		1347 × 160 × 81	1987 ×160 × 81
Weight		4.6 Kg	5.4 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

1347.0
1327.0
1279.2

81

160
150
100

Ø5.0
Ø10.0

20

Left View   Front View   Right View

iKAN-124A-IP65

1987.0
1966.6
1918.8

81

160
150
100

Ø5.0
Ø10.0

20

Left View   Front View   Right View

■ Ordering Information

iKAN-116A-IP65	IP65 Single-row, 8/16-Character Industrial Modbus LED Display with Web-based User Interface and Modbus/TCP protocol
iKAN-124A-IP65	IP65 Single-row, 12/24-Character Industrial Modbus LED Display with Web-based User Interface and Modbus/TCP protocol