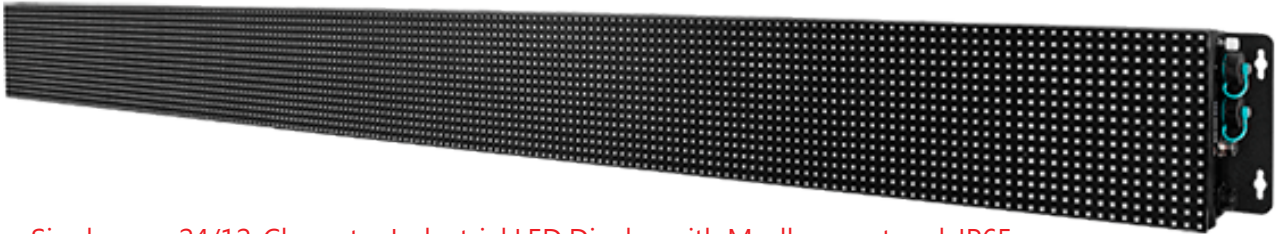


Single-row, 16/8-Character Industrial LED Display with Modbus protocol, IP65

iKAN-116A-IP65



Single-row, 24/12-Character Industrial LED Display with Modbus protocol, IP65

iKAN-124A-IP65

Features

- Web-based User Interface
- 7 colors with a text height of 16 cm
- Supports multiple languages
(Do not include complex language characters such as Thai, Indian and Arabic)
- Can store up to 128 common messages, and priorities can be set
- Integrates both text and variables (up to 168) within a single message
- Can be controlled remotely via PLC, PC, or smartphone
- Supports Modbus TCP Slave and Modbus RTU Slave protocols
- Directly connects to DL/CL series sensor modules and displays real-time monitoring data
- Built-in RTC (Real Time Clock)
- IP Rating: IP65
- The module isn't RoHS compliant



Introduction

The iKAN series is a family of industrial LED message display devices designed to deliver high levels of anti-noise performance, reliability, and stability. These displays support both ASCII and Unicode characters, allowing messages to be shown in multiple languages.

The iKAN series supports the widely used Modbus industrial protocol, making it easy to integrate with existing PLC and SCADA systems. Data from a PC or PLC can be sent and displayed as formatted messages in real time. The displays support seven text colors, which can be used to represent different levels of message importance and greatly enhance readability in industrial environments.

Messages can be edited using a standard web browser, mobile device, or smartphone. This eliminates the need for any proprietary control software or tools.

With the ability to display real-time data, the iKAN series is well-suited for a wide range of indoor or semi-outdoor applications, including shopping malls, railway stations, and industrial facilities.

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.

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.



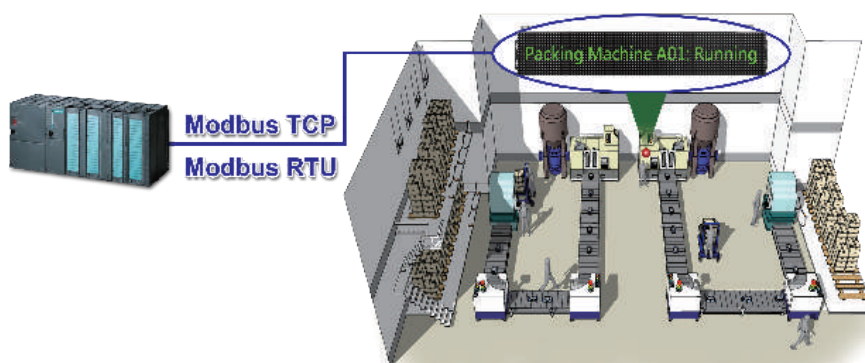
Message Priority

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

The iKAN series display provides 128 message storage space and 168 variable space, which can display the real-time data of PLC in text messages. In addition, PLC Modbus commands give iKAN control to show or hide a message, or to send encoded strings to iKAN for display.



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 PM2.5 levels, the temperature, and the humidity, without requiring any programming skills or knowledge.

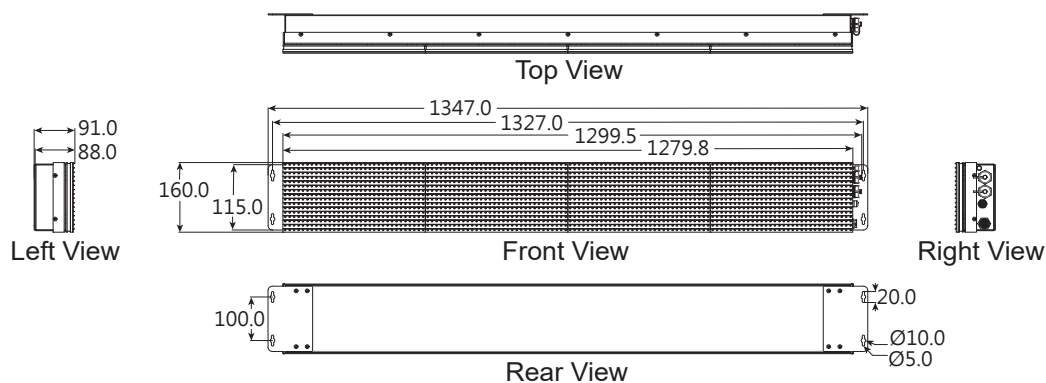


Specifications

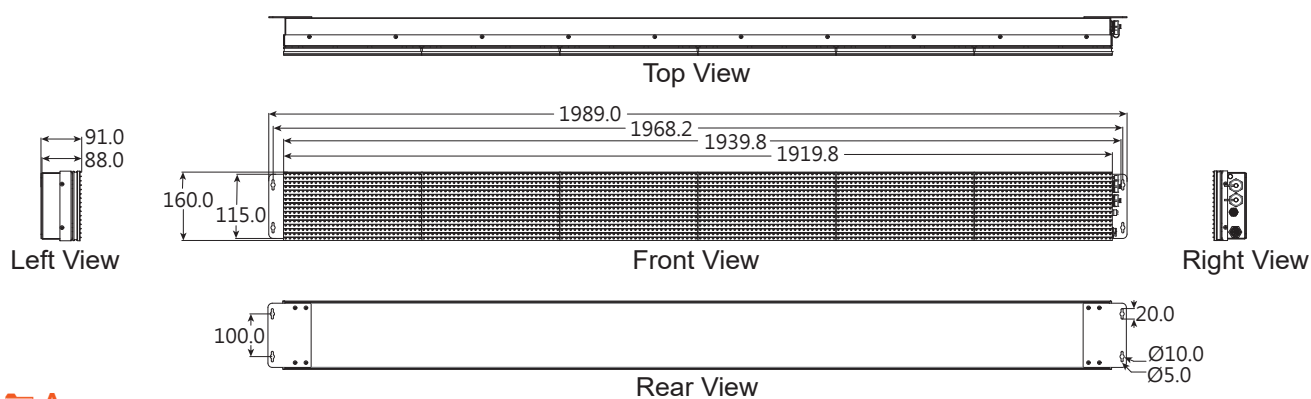
Model	iKAN-116A-IP65	iKAN-124A-IP65
Display		
Text Color	Red, Blue, Yellow, Green, Light Blue, Purple or White	
Character Sets	16 x 16 Unicode or 8 x 16 ASCII	
Display Row	1	1
Display ASCII Characters	16	24
Display Unicode Characters	8	12
Message Pool	128 common messages with user-defined priority levels, 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, Switch Ports	
Protocol	8x Modbus TCP Master, 8x Modbus TCP Slave, GCI and HTTP	
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 120 V	0.35 A @ AC 120V
Mechanical		
Dimensions (W × L × H)	(1347 × 160 × 93)mm	(1989 × 160 × 91)mm
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)

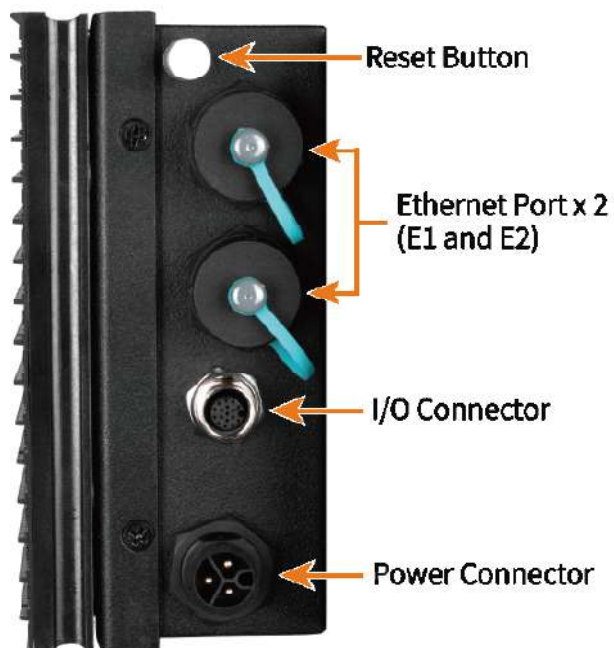
iKAN-116A-IP65



iKAN-124A-IP65



■ Appearance



■ Ordering Information

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