

# Weather station display console

Model WDSQ100



## Introduction

WDSQ100 is a simple and stable data acquisition display. It can collect our weather station sensors every second through RS485, and store the real-time collected data into a TF card, while outputting data strings from another RS232 serial port. WDSQ100 uses an embedded system with a built-in watchdog to ensure reliable and stable operation.

At the same time, we can also customize the program according to the customer's sensor protocol to adapt to different sensors.

## Main features

- SD card can store more than 10 years of data
- The collected meteorological data can be synchronously output through another RS232 port.
- The data can be transmitted to the customer's own IoT platform through an external DTU
- Reliable performance, ensure normal operation and high data transmission efficiency.

## Compliance

The electromagnetic compatibility in accordance with the following applicable directives:  
 LVD 2014/35/EU Low Voltage  
 EMC 2014/30/EU  
 Electromagnetic Compatibility  
 EMC 2014/35/EU  
 Electromagnetic Compatibility

## Application

It is mainly used in smart cities, home weather stations, and agricultural environment monitoring.

## Dimensions



THE INSTALLATION COMPLETE

## Specification

Screen size	2.8 inches
Weight	118g
Touch	Capacitive principle
Internal clock function	Yes
Resolution	240*320
Power supply range	5-28VDC
Communication interface	RS485+RS232
Power consumption	0.4~0.7 watts
LxWxH	108mm*81mm*24.4mm
Recommended window size	98mm*72.5mm

## Order guide

WDSQ100	Ethernet data logger		
	CODE	Weather station functions	
	XXXXX	W1= wind speed W2 = wind direction R = rainfall V=Visibility	T= temperature H = humidity L =Luminance N=Noise A= atmospheric pressure S1 = solar radiation P=PM1.0/PM2.5/PM10 U =uv radiation
		CODE	Interface
		1	RS485
		2	RS232
WDSQ100	W1W2THA	2	Order example