

Ethernet data logger

Model WDSQ300



Main features

- Intuitive wind speed direction indication
- Wind and Temperature Alarm
- Changeable wind, temperature, rain, barometric unit
- TCP connection
- Support Weather Underground
- RJ45 ethernet port & SD card supported
- Can upload data to your own server

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

Introduction

WDSQ300 is a versatile console comes with multiple functions which not only can it display real-time data, log real-time data, but also conduct TCP connection as client to your server, upload data to Weather WUnderground or our IoT platform. All data received by serial port(UART, RS485, RS232, TTL, those should be decided when you place order) will be automatically uploaded to your server. It's working based on embedded real-time operating system, which is stable, free of system crash. It can support our unsolicited(active) output in ASCII stream format, NMEA0183, MODBUS-RTU protocol. We can also make it suit to your own protocol based on your requirement customization. Multiple language can be customized.

Application

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

Connection



Specification

Screen size	7 inches FTF capacitive touch screen
CPU	800Mhz
RTC function	Yes
Dimension	189.0*105.3*17.5mm
Display zone	155.5*87.2mm
Interface	TTL or RS485 or RS232
Internet	RJ45 ethernet port
TF card	Supported 32GB TF card can store 10 years data
Operational temperature	-20~70 °C
Storage temperature	-30~80 °C
Optional protocol	MODBUS-RTU, NEMA0183, Active output or other protocol can be customized
Reliability	It has passed industrial standard high and low temperature, ESD, group pulse and radiation tests
Power consumption	Backlight off: 120mA, 20%: 150mA, 100%:240mA @12VDC

Order guide

WDSQ300	Ethernet data logger		
	CODE	Weather station functions	
	XXXXXX	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	TTL
		2	RS485
		3	RS232
		4	UART
		5	RJ45
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