

WIFI data logger display console

Model WDSQ200



Introduction

WDSQ200 is a versatile console comes with multiple functions which not only can it display real-time data, history graph, do data logging, but also conduct TCP connection as client to your server, upload data to Weather Underground or our IoT platform. All data received by serial port(UART, RS485, RS232, TTL) 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.

Main features

- Wind Sector indication
- Wind and Temperature Alarm
- Historical Graph
- Changeable wind & temp unit
- TCP connection
- Support Weather Underground
- WIFI & SD card supported
- Can upload data to your own server

Compliance

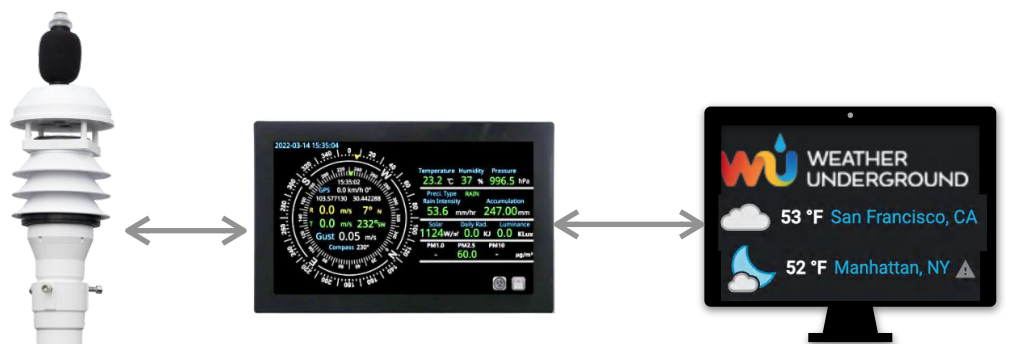
The electromagnetic compatibility in accordance with the following applicable directives:

- LVD 2014/35/EU Low Voltage
- EMC 2014/30/EU
- Electromagnetic Compatibility
- EMC 2014/35/EU
- Electromagnetic Compatibility

Application

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

Connection



www.wunderground.com

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
WIFI	Optional: 2.4GHz-2.48Gz supported
TF card	Supported 16GB TF card can store 2000 days' data
Operational temperature	-20~70 °C
Storage temperature	-30~80 °C
Optional protocol	MODBUS-RTU, NEMA0183, Active output or other protocol can be customzied
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

WDSQ200	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	TTL
		2	RS485
		3	RS232
		4	UART
		5	WIFI
WDSQ200	W1W2THA	2	Order example