

SDS100/SDS200

Serial Device Server

1 Eth + 2 RS232 + 1 RS 485 +WiFi (optional)

INTRODUCTION

SDS100/SDS200 series Serial Device Server equipped with 1 x Ethernet ports(RJ45), 3 x Serial port(2 x RS232, 1 x RS485), provide Serial-To-Ethernet connectivity for serial device, support WiFi and Wired Ethernet transparent transmission or customized protocol transmission, support multiple working mode such as Modbus RTU, Modbus TCP, TCP Server/Client, UDP Server/Client, RealCom, UDP Range, UDP Multicast, Pair Master/Slave mode.

This series is ideal for serial devices in Industrial Automation, Smart Grid, Smart Transportation, Access Controller, Attendance System, Vending Machine, POS, Building Automation Controller, ATM, Telco Infrastructure,etc.



KEY FEATURES

Industrial-grade Design

- High-powered industrial 32-bit processor
- Low power consumption, less heat generation, high speed, reliable
- Wall mounting
- Metal housing, excellent heat dissipation
- Wide voltage: 7.5V~32V DC

Stable and Reliable

- Hardware & Software WDT and multi-link detection enable automatic fault detection, self-recovery capabilities to ensure equipment work in a stable and reliable way
- RS232/RS485 ESD protection, avoid Static Electricity Shock

Network Characteristics

- Support serial port RS232 and RS485 that can connect to serial devices directly, unique interface integration advantages, enable you are not worry about the problem of interface diversity
- Support industrial applications, support Modbus Multi-host Polling
- Built-in TCP/IP protocol, easily convert serial data to IP data and provide network connectivity for serial device
- Support Multiple Center
- Support Static IP Address or DHCP to obtain IP address automatically
- Auto redial when off line and keep alive

Other Characteristics

- Support several work modes: TCP Server/Client mode, UDP Server/Client mode, RealCom mode, UDP Range mode, UDP Multicast mode, Pair Master/Slave mode, transparent transmission, ets
- Support Modbus TCP/Modbus RTU, Modbus RTU TO Modbus TCP conversion, Modbus TCP TO Modbus TCP conversion, Modbus RTU TO Modbus RTU conversion.
- Support hardware and software WDT
- Support auto recovery mechanism, including online detect, auto redial when offline to make it always online.
- Web page parameter configuration, support self-define customized web page, convenient configuration and maintenance interface
- Support remote firmware upgrade, flexible to upgrade firmware
- Optional serial port for RS232 or RS485
- Support scheduled reboot and automatically redial when offline

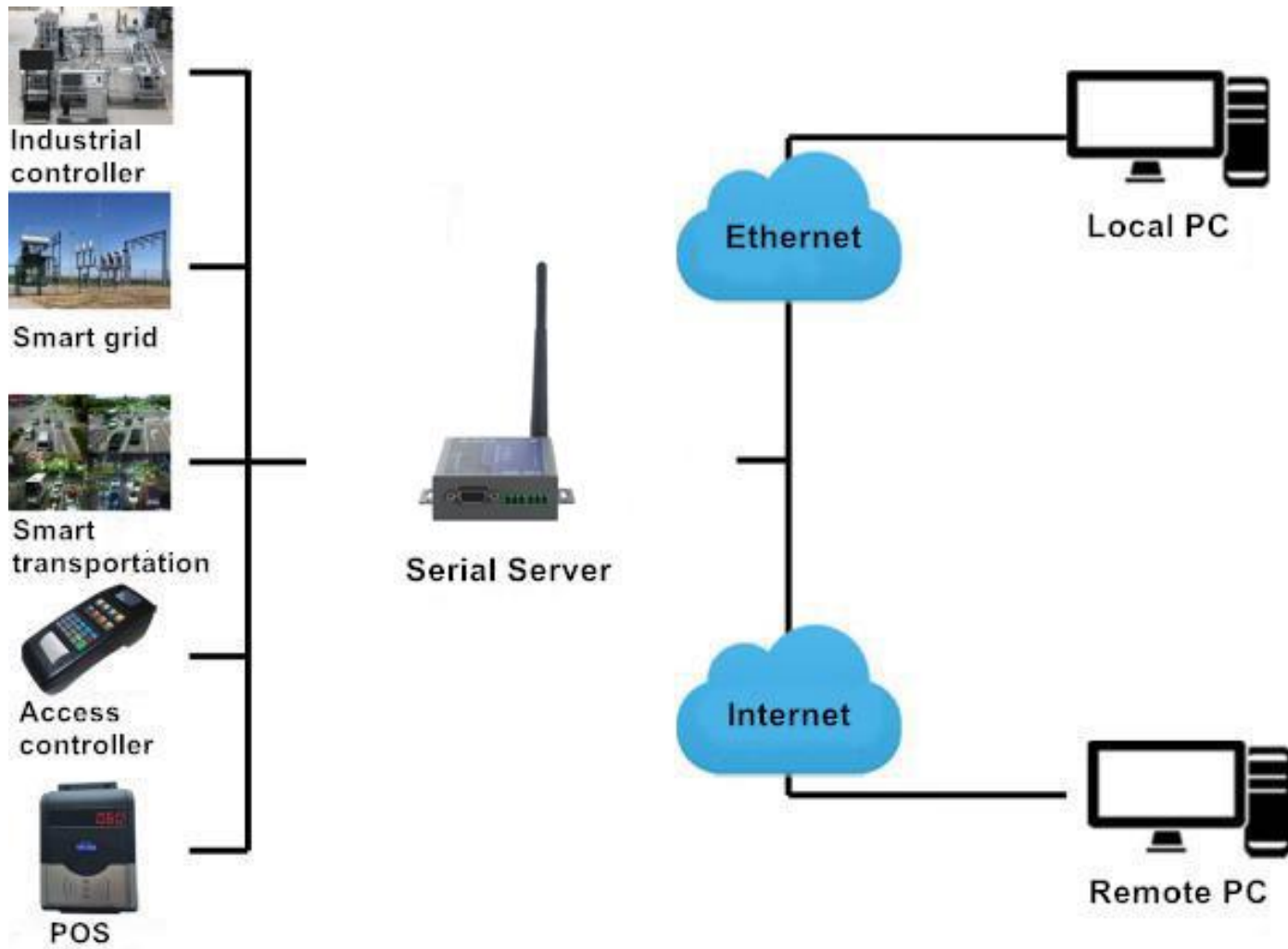
Cloud-Based Platform Management

- Remote parameter configuration
- Remote parameter backup
- Remote reboot and log query
- Remote device upgrades
- On-line monitoring

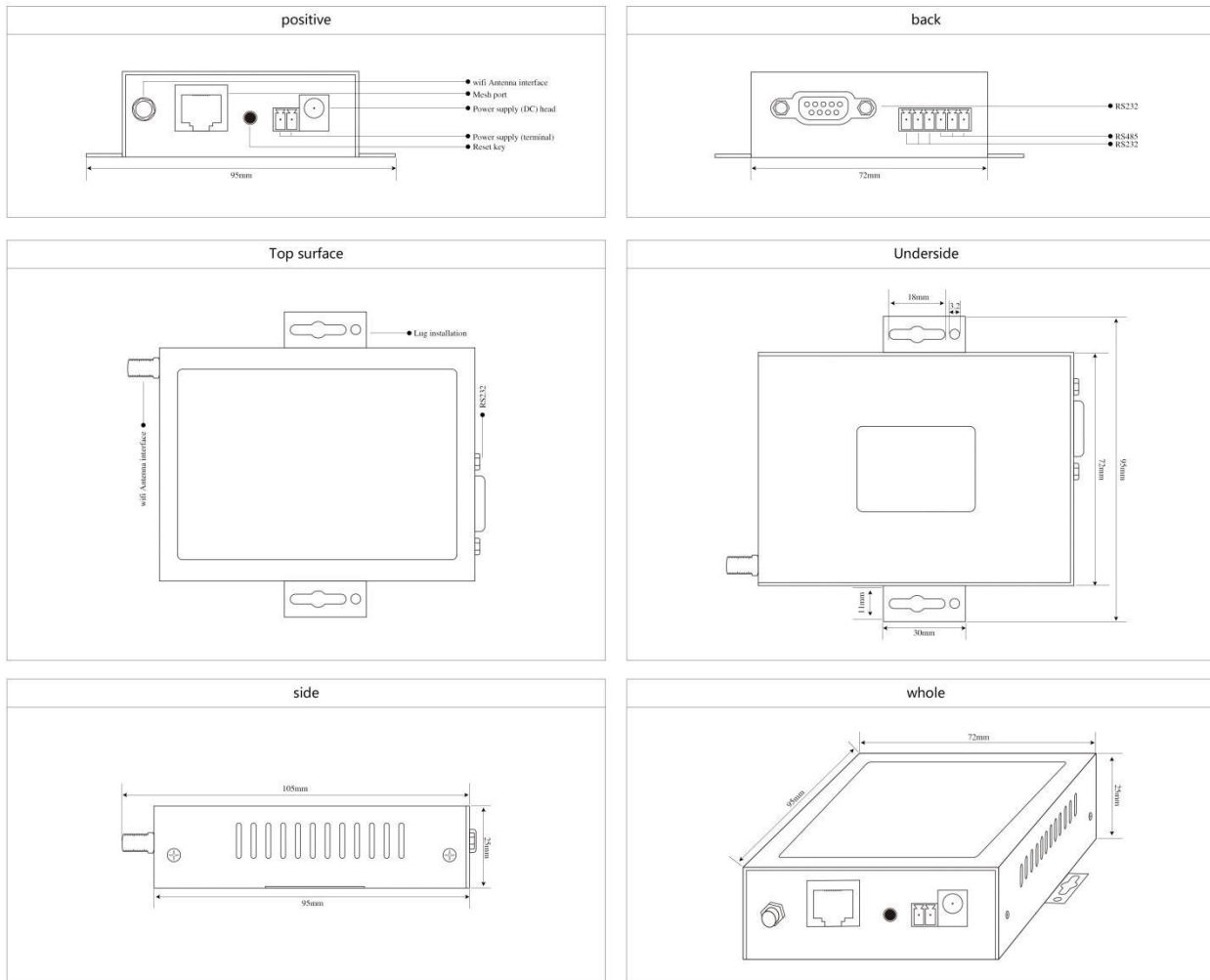
SPECIFICATION

Wi-Fi	
Standard	IEEE802.11b/g/n, Max up to 150Mbps
Security encryption	WEP, WPA, WPA2, Optional WPS function
Transmit Power	16-17dBm(11g), 18-20dBm(11b), 15dBm(11n)
Receiving Sensitivity	<-72dBm@54Mbps
Interface	
Ethernet	1×Wan (Ethernet interface, RJ45), Auto MDI/MDIX, built-in ESD
Serial Port	2×RS232, 1×RS485
LED Indicators	1×"PWR", 1×" Ethernet", 1×"WIFI", 2×"Com"
Antenna Interface	1 standard SMA antenna interface (WIFI), 50ΩSMA
Power Supply	Support round hole type and terminal type power supply, 7.5V-32V(standard DC12V/1A), built-in power transient overvoltage protection
Reset Button	Reset configuration parameter to default values

Power Supply	
Standard power	DC 12V/1A
Physic	
CPU	560MHz
Flash/RAM	128Mb/1024Mb
Shell	metal plate shell
Dimension	96×71×26mm
Weigh	About 200g
Environmental	
Operating Temperature	-30 to 70°C
Storage Temperature	-40 to 85°C
Relative Humidity	< 95% no coagulation



SDS100/SDS200 Structure



ORDERING INFORMATION

Mode	Product	Serial Port	Power Supply	Wi-Fi
SDS100	Serial Device Server Standard Version	2 × RS232, 1 × RS485	Round Hole type, Terminal Block type	
SDS200	Serial Device Server WiFi Version	2 × RS232, 1 × RS485	Round Hole type, Terminal Block type	√

Note:

1. If request other frequency band model, please consult sale person
2. Please specify when order if request other optional features
3. Customized request please contact sale person