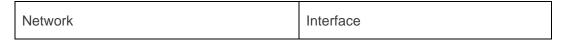# ▪ Introduction

YHD series GPRS DTU, intelligent power supply design, passed EMC tests, provides RS232/RS485/RS422/TTL interface. Embedded with PPP and TCP/IP protocol, it allows to transmit user data under transparent way. Widely used in power meter, oil monitor, environment protection, LED, POS terminals, and other areas.

▪ Features

- Embedded with industrial GPRS module.
- Embedded with PPP, TCP/IP and UDP/IP protocol.
- Support APN.
- Support static data service center IP address.
- Support DNS and Dynamic data service center IP address
- Embedded with watch-dog.
- Support Always-online working mode, auto connect once power on.
- Support data, ring and SMS triggered online.
- Support remote configuration by SMS.
- Support up to 8 data service center communication.
- Support Point-To-Point and Center-To-Multi-points data transmission.
- Standard AT commands.

▪ Specifications

Network	Interface

GPRS 850/900/1800/1900MHz Bandwidth：DL/UL 85.6kbps/42.8kbps	Antenna: 50Ω SMA female SIM/UIM：3V/1.8V Data interface：RS232/RS485 Data rate：1200～115200bps
Consumption	Others
Power supply：DC 5-30V Consumption： Idle：3.5mA@12VDC Peak：240mA@12VDC Work：50mA@12VDC	Volume：L*W*H：75*50*16mm Weight：200g Storge temperature：-40℃～85℃ Work temperature：-40℃～65℃ Humidity：<95% Warranty：1 year
Model	D21Z1　RS232 D31Z1　RS485