

# USR-G785-E Datasheet

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# 1. Product Overview

USR-G785-E is a product developed for serial devices and network servers to transmit data to each other. With simple AT instructions, it is easy to use this product to realize two-way data transparent transmission from serial port to network.

# 2. Product Features

- Support TCP Client and UDP Client
- Support register package and heartbeat package
- Support setting parameters by SMS
- Support net transparent transmission mode and UDC mode
- Support AT commands
- Support RFC2217 similar function
- Support apply server-side secondary development information

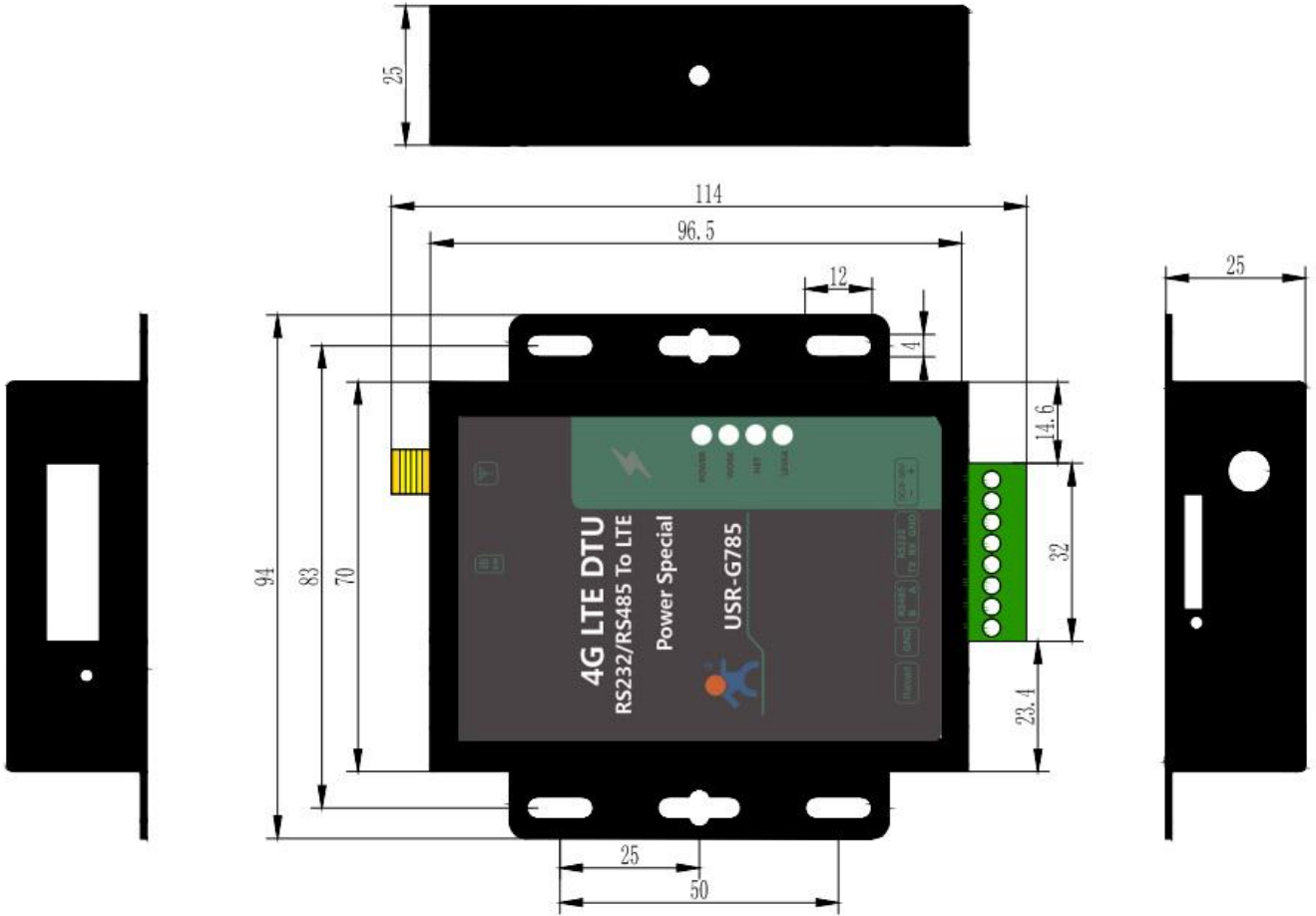
# 3. Product Specifications

	Item	Index		
<b>Wireless parameters</b>	Wireless standard	TDD-LTE, FDD-LTE, WCDMA, GSM		
	Standard frequency range	TDD-LTE	B38/B40/B41	
		FDD-LTE	B1/B3/B5/B7/B8/B20	
		WCDMA	B1/B5/B8	
		GSM	B3/B8	
	Transmitting power	TDD-LTE	Class 3 (23dBm±2dB)	
		FDD-LTE	Class 3 (23dBm±2dB)	
		WCDMA	Class 3 (24dBm+1/-3dB)	
		GSM Band8	Class 4 (33dBm±2dB)	
		GSM Band3	Class 1 (30dBm±2dB)	
	Technical specifications	LTE	Maximum support for non-CA CAT 4 Supporting 1.4~20MHz RF bandwidth Downlink support for multi-user MIMO TDD: maximum up 35 Mbps, maximum down 130 Mbps FDD: Maximum upstream 50 Mbps, maximum downstream 150 Mbps	
WCDMA		Supports 3GPP R8 dc-hspa + Supports 16-qam, 64_QAM and QPSK modulation 3GPP R6 CAT6 HSUPA: maximum uplink rate 5.76Mbps 3GPP R8 CAT24 dc-hspa + : the		

			maximum downlink rate is 42Mbps
		GSM	R99: CSD transmission rate: 9.6 KBPS, 14.4 KBPS GPRS: supports GPRS multi-slot class 12 (default 12) Coding formats: cs-1 / cs-1 / cs-3 and cs-4 Maximum 4 RX slots per frame EDGE: Support EDGE multi-slot class 12 (default 12)
	Antenna options	SMA interface	
<b>Hardware parameters</b>	Data interface	RS232: 2400bps - 115200bps RS485: 2400bps - 115200bps	
	Working voltage	DC 9V~36V	
	Working current	Average 60ma-86ma Max: 175mA 12V	
	Working temperature	-40°C - 70°C	
	Storage temperature	-45°C - 90°C	
	Size	96.5 × 70 × 25mm	
	<b>Software parameters</b>	Work mode	Transparent transmission mode, UDC mode.
Set command		AT+ command	
Network protocol		TCP/UDP/DNS	
Maximum TCP connection number		2	
User configuration		Serial AT command, net AT command, message AT command	
Customer application software		Support customized application software	
<b>Software function</b>	Domain name resolution DNS	Support	
	Simple transmission mode	Support TCP Client /UDP Client	
	Heartbeat	Support	
	RFC2217 similar	Support	
	Registration package mechanism	Support custom /ICCID/IMEI register package	

## 4. Product Dimensions

Unit: mm



## 5. Contact Us

Company: Jinan USR IOT Technology Limited

Address: Floor 11, Building 1, No. 1166 Xinluo Street, Gaoxin District, Jinan, Shandong, 250101, China

Web: [www.usriot.com](http://www.usriot.com)

Support: [h.usriot.com](http://h.usriot.com)

Email: [sales@usr.cn](mailto:sales@usr.cn)

Tel: 86-531-88826739/86-531-55507297

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## 7. Update History

Edition	Describe
V1.0.2	2019-02-11 establish