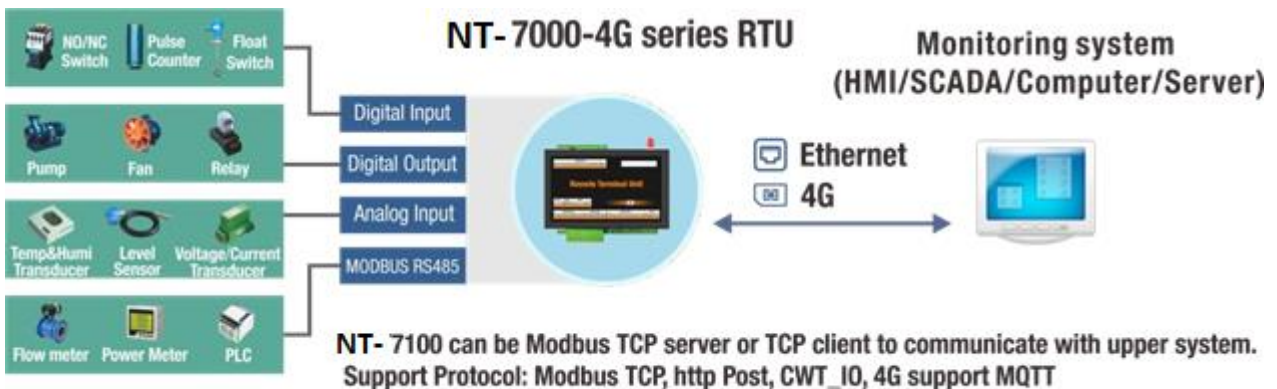




NT-7100-4G series 4G Remote terminal unit

Product overview

NT-7100-4G series RTU with DI, DO, AI, RS485 standard electrical interface, it can connect various industrial equipment, such as PLC, meters, sensors, electrical switches for monitoring real-time running status and data of industrial field, and communicate with central monitoring system by Ethernet and 4G. It efficiently acquires the remote equipment operating parameters and process management, can be widely used in industrial automatic control, base station / computer room monitoring, environmental monitoring, water conservancy project, power industries, agriculture, etc.



Model list

Models	IO port
NT-7100-4G-800F(T)	8Ai + 24Do (NPN)
NT-7100-4G-808D(T)	8Ai + 8Di + 16Do (NPN)
NT-7100-4G-8088(T)	8Ai + 8Di + 8Do (NPN)
NT-7100-4G-8084(R)	8Ai + 8Di + 4Do (relay)
NT-7100-4G-80D8(T)	8Ai + 16Di + 8Do (NPN)
NT-7100-4G-80D4(R)	8Ai + 16Di + 4Do (relay)
NT-7100-4G-80F0	8Ai + 24Di
NT-7100-4G-C00F(T)	12Ai + 24Do (NPN)
NT-7100-4G-C08D(T)	12Ai + 8Di + 16Do (NPN)

NT-7100-4G-C088(T)	12Ai + 8Di + 8Do (NPN)
NT-7100-4G-C084(R)	12Ai + 8Di + 4Do (relay)
NT-7100-4G-C0D8(T)	12Ai + 16Di + 8Do (NPN)
NT-7100-4G-C0D4(R)	12Ai + 16Di + 4Do (relay)
NT-7100-4G-C0F0	12Ai + 24Di
NT-7100-4G-0F00	24Ti
NT-7100-4G-0F08(T)	16Ti + 8Do (NPN)
NT-7100-4G-0888(T)	8Ti + 8Di + 8Do (NPN)
NT-7100-4G-8F00	8Ai + 24Ti
NT-7100-4G-8D08(T)	8Ai + 16Ti + 8Do (NPN)
NT-7100-4G-8888(T)	8Ai + 8Ti + 8Di + 8Do (NPN)
NT-7100-4G-CF00	12Ai + 24Ti
NT-7100-4G-CD04(R)	12Ai + 16Ti + 4Do (relay)

Communication port and features

Port	modes	Features
Ethernet	Modbus TCP server	Work as Modbus TCP slave, master can read/write IO ports by Ethernet
	TCP client	<ul style="list-style-type: none"> Connect servers by TCP/IP, http post protocol Can upload data regularly Support connect NT cloud
RS485	Modbus master	Can work as Modbus master to read/write 64 registers from slaves
	Modbus slave	Can work as Modbus slave, master can read/write IO ports by RS485

4G communication features

- Optional inside 4G or 4G+GPS module
- As client, TCP/IP connect servers (support static IP address or domain)
- Support MQTT, NT_IO, http post protocol
- Support connect NT cloud
- Support SMS alarm and control, can setup 5 user phone numbers

Basic specifications

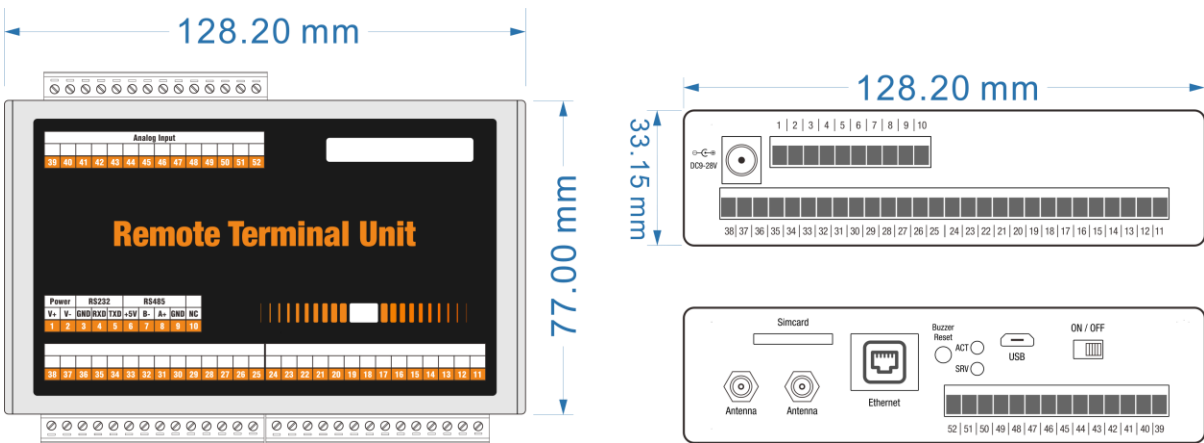
System	CPU	STM32
	Power	9-28V DC
	Consumption	12V input Max. 150mA/Average 50mA
	Working environment	-30°C ~ 70°C, 5% ~ 95%RH(non-condensing)
	RTC	Update RTC automatically by NTP or manually

Communication port	Ethernet	1 port RJ45, 10M/100M adaptive
	RS485	2 ports, baud rate: 1200~115200dps, default 9600,n,8,1
	USB	Configuration port, connect PC, provide config software

IO port	Digital input	<ul style="list-style-type: none"> Dry contact trigger Can be pulse counter (counting frequency: 50Hz)
	Digital output (transistor)	<ul style="list-style-type: none"> Drive voltage=power supply voltage, Drive current≤500mA Normal open
	Digital output (relay)	Norma open, Contact load: 5A / 250VAC, 30VDC
	Analog input	Receive 4-20mA, Sampling frequency: 33Hz, 16-bit precision
	Temperature input	Connect DS18B20 temperature probe Measure range: -55°C ~ 125°C

Physical	Dimension	128x77x33mm
	Weight	390G
	Protection	IP30
	Installation	DIN rail mounting or screw fixing

Options of 4G frequency		Option1-EU	Option2-AU	Option3-A
	LTE-FDD	B1/3/5/7/8/20/28	B1/2/3/4/5/7/8/28/66	B2/4/12
	LTE-TDD	B38/40/41	B40	
	WCDMA	B1/5/8	B1/2/4/5/8	B2/4/5
	GSM/EDGE	B3/8	B2/3/5/8	
4G working Area		Europe, Middle East, Africa, Korea, Thailand, Southeast Asia	Australia, New Zealand, Latin America, Taiwan	The United States, Canada



Size diagram