# CM850 MODEM



## **Product Introduction**

- Caimore Industrial LTE MODEM, CM850, based on LTE network platform, is a SMS and Internet access devices embedded with industrial wireless module. It is of standard industrial design, SMS support PDU and TXT formats, and has the function of sending and receiving Chinese and English and other language text message and accessing to Internet. It provides serial RS232 standard interface to connect directly with the user's computer or industrial control devices.
- The company provides text messages sending and receiving software for customers to test products, send and receive text messages; also provides Short Message group-sending software, enable customers to send mass messages such as news and greetings; company also offers DLL (dynamic link library), for customers to develop their own message software. The device supports serial I / O hardware reset, to restart at any time. Supports standard AT command.



This product has been widely used in industries as water alarm, base station alarm, power meter reading, water meters reading, heating network monitoring, gas monitoring, water monitoring, environmental testing, meteorological monitoring, seismic monitoring, traffic control, etc.

### Model No.

Model No.	Interface Type	Network	RS232	English Version
CM850	DB9 Interface	4G	Support	Support

## **Technical Parameters**

### **Device Interface Diagram**



### **CM850** Accessories



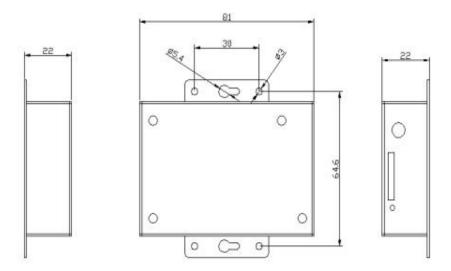
### **Industrial Design**

Industrial wireless module	Using industrial wireless module, with strong anti-interference and stable transmission.	
Strengthened circuit	PCB followed the principles of 20H and 3W, meanwhile all products of circuit boards used	
board	high-quality materials to ensure the plate material stable and reliable.	
Industrial components Device components use strictly screened industrial-grade components.		

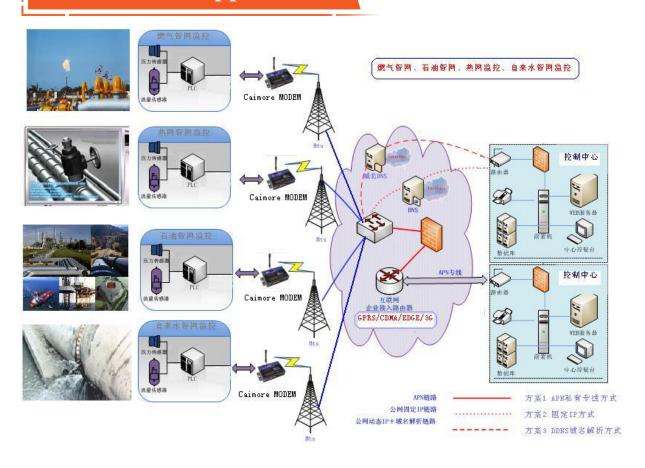
Model NO.	CM850	
Cellular Parameters		
Network	LTE-FDD/HSPA+/UMTS/HSDPA/HSUPA/WCDMA/EDGE/GSM	
Standards and Frequency Bands	EGSM 900 Power Class 4 2 W, 33 dBm	
	GSM 1800 / 1900 Power Class 1 1 W, 30 dBm	
	EDGE Power Class for 900MHz Class E21 27 dBm, 0.5 W	
	EDGE Power Class for 1800 / 1900MHz Class E21 26 dBm, 0.4 W	
	Others. (It depends on area and country.)	

Communication Bandwidth Transmit Power Receiver Sensitivity  7, 8 Stop Bit 1, 2 Parity Bit No parity, Odd parity, Even parity, SPACE and MARK parity Serial Speed 1100ps ~ 2304000ps Flow Control Interface 110ps ~ 2304000ps Flow Control Interface Indicator Power / ACT / Online Standard SMA female interface,50ohm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  1UM Interface Voice Interface Standard Apades interface (requires software) Power Interface Standard Apades interface (requires software) Power Supply Voltage Standard Power Supply COSV to 32V. Over-voltage protection. Power reverse protection.  DCSV to 32V. Over-voltage protection. Power reverse protection.  Current Current Standard Power Supply  Average Communication Current Current Standard Power Supply  OS  WINDOW / LINUX  Physical Feature  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 11ps 3cp 2ps reparticularly suit for harsh industrial control environments.  23ps 226 * 60mm Operating Temperature Operating Temperature 25pc ~ +75pc Storage Temperature Add Correct Storage Temperature 35pc ~ +75pc 35pc — +75pc				
Bandwidth   (Peak DL data rate in 10 MHz bandwidth: 70 Mbps (approx.) for Cat 3 device)   50 Mbps U within 20 MHz bandwidth   50 Mbps U within 20 Mbps   50 Mbps U within 20 Mbps U wi	Coding Scheme	HSPA+/ DC-HSPA+ / GPRS / EDGE		
Transmit Power Receiver Sensitivity  24dBm  Serial Port Parameters  7, 8 Stop Bit 1, 2 Party Bit No parity, Odd parity, Even parity, SPACE and MARK parity  Serial Speed 110bps ~ 23040bps None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control interface 1*RS232 serial port or 1*RS485 interface (supports RS422/TTL)  Interface 7 Power / ACT / Online 1 Antenna Interface 4 Landard SMA female interface, Soohm; optional 3M/SM/10M/15M antenna extension cable, meet the different needs of customers.  LIMI Interface 1 Landard SMA female interface, Soohm; optional 3M/SM/10M/15M antenna extension cable, meet the different needs of customers.  LIMI Interface Standard Shad female interface, Foothm; optional 3M/SM/10M/15M antenna extension cable, meet the different needs of customers.  LIMI Interface Standard Shadest interface (requires software)  Standard Power Supply  Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply  Average Communication Current 2 Gommunication 2 John A@+9VDC  Communicating Instantaneous Peak Current 36mA@+9VDC  Standard Power Supply  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm/Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0 Other Parameters  Operating Temperature 259C ~ +659C  Extended Operating Temperature 450°C	Communication	·		
Serial Port Parameters	Bandwidth			
Serial Port Parameters   7, 8   Stop Bit   1, 2   Parity Bit   No parity, Odd parity, Even parity, SPACE and MARK parity   Serial Speed   110lpps ~ 230400pps   I10lpps ~ 230400pps   I10lpps ~ 230400pps   I10lpps ~ 230400pps   Interface   1*85232 serial port or 1*85485 interface (supports RS422/TTL)   Interface   I*85232 serial port or 1*85485 interface (supports RS422/TTL)   Interface   Power / ACT / Online   Antenna Interface   Standard SMA female Interface,500hm; optional 3M/SM/10M/15M antenna extension cable, meet the different needs of customers.   UIM Interface   1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.   Standard 3-pin power jack.   Power Interface   Standard 3-pin power jack.   Power Supply   Supply Voltage   Standard 3-pin power jack.   Standard Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Reverse Protection.   Power Supply   DCSV/1500mA   DA@+9VDC   DCSV/1500mA   DCSV/1	Transmit Power	50 Mbps UL within 20 MHz bandwidth		
Data Bit   7, 8   Stop Bit   1, 2   Parity Bit   No parity, Odd parity, Even parity, SPACE and MARK parity   Parity Bit   No parity, Odd parity, Even parity, SPACE and MARK parity   Parity Bit   No parity, Odd parity, Even parity, SPACE and MARK parity   Parity Bit   None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control   Interface   1*RS232 serial port or 1*RS485 interface (supports RS422/TTL)   Interface   Power / ACT / Online   Standard SMA female interface, Spohm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.   UMI Interface   1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.   Power Interface   Standard Apain power jack   Standard Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Power Supply   DCSV to 32V. Over-voltage protection. Power reverse protection.   Po	Receiver Sensitivity	<24dBm		
Stop Bit 1, 2 Parity Bit No parity, Odd parity, Even parity, SPACE and MARK parity Serial Speed 1100ps ~ 2304000ps Flow Control None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control Interface 1*85232 serial port or 1*RS485 interface (supports RS422/TTL)  Interface Indicator Power / ACT / Online Standard SMA female interface, 500hm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  UIM Interface Standard SMA female interface, 500hm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  Voice Interface Standard headset interface (requires software) Power Interface Standard 3-pin power jack.  Power Supply Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply Average Communication Current O9mA@+9VDC Communicating Instantaneous Peak Current Standby Current <36mA@+9VDC  OS WINDOW / LINUX  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating P30; particularly suit for harsh industrial control environments.  Product Dimension Bris5*20 mm (Antenna and fixer are not included) Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Other Parameters  Other Parameters  Other Parameters  Storage Temperature 40°C 7* +85°C		Serial Port Parameters		
Parity Bit No parity, Odd parity, Even parity, SPACE and MARK parity  Serial Speed 110bps ~ 230400bps  Flow Control None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control Interface 1*R5232 serial port or 1*R5485 interface (supports R5422/TTL)  Interface  Indicator Power / ACT / Online  Standard SMA female interface,500hm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  UIM Interface 1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Voice Interface Standard a power supply  Supply Voltage Standard 3-pin power jack.  Power Supply  Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply  OC9V/1500mA  Vareage Communication Current  Communicating Instantaneous Peak Current  Standby Current  Standby Current  Standby Current  A6mA@+9VDC  Operation System  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 8 #55*20 mm (Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Other Parameters  Other Parameters  Storage Temperature  40°C ~ +85°C	Data Bit	7, 8		
Serial Speed   110bps ~ 230400bps	Stop Bit	1, 2		
None flow control   None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control	Parity Bit	No parity, Odd parity, Even parity, SPACE and MARK parity		
Interface  Indicator Antenna Interface Standard SMA female interface,500hm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  UIM Interface 1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Voice Interface Standard headset interface (requires software)  Standard Power Interface Power Interface Standard 3-pin power jack.  Power Supply Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply Average Communicating Instantaneous Peak Current Standby Current Ogs WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size Weight 0.41kg  Other Parameters  Other Parameters  Other Parameters  Other Parameters  Storage Temperature 40°C ~ +85°C	Serial Speed	110bps ~ 230400bps		
Interface  Indicator Power / ACT / Online Standard SMA female interface,50ohm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  UIM Interface 1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Voice Interface Standard headset interface (requires software) Standard Power Interface Standard newer supply Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Current Current Communicating Instantaneous Peak Current Standby Current Standby Current OS WINDOW / LINUX Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size 298*226*60mm Weight 0.41kg  Other Parameters  Operating Temperature  -25°C ~ +65°C Extended Operating Temperature -40°C ~ +85°C	Flow Control	None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control		
Indicator Antenna Interface Standard SMA female interface,50ohm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  UIM Interface 1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Standard headset interface (requires software)  Standard 3-pin power jack.  Power Supply  Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply Average Communication Current Communicating Instantaneous Peak Current Standby Current  Standby Current  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size 298*226*60mm Weight 0.41kg  Other Parameters  Operating Temperature  Extended Operating Temperature  -25°C ~ +65°C Extended Operating Temperature -40°C ~ +85°C	Interface	1*RS232 serial port or 1*RS485 interface (supports RS422/TTL)		
Standard SMA female interface,500hm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers.  1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Voice Interface Standard headset interface (requires software)  Standard 3-pin power jack.  Power Supply  Supply Voltage DC5V to 32V. Over-voltage protection. Power reverse protection.  Standard Power Supply  Average Communication Current  Communicating Instantaneous Peak Current  Standby Current  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature  Extended Operating Temperature  40°C ~ +85°C		Interface		
Antenna interface     meet the different needs of customers.       UIM Interface     1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.       Voice Interface     Standard headset interface (requires software)       Power Interface       Power Interface       Standard 3-pin power jack.       Power Supply       Supply Voltage       DC5V to 32V. Over-voltage protection. Power reverse protection.       Standard Power Supply       QMA@+9VDC       Current       Operation System       Operation System       Operation System       Operation System       Operation System       Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.       Product Dimension     81*55*20 mm(Antenna and fixer are not included)       Package Size     298*226*60mm       Other Parameters       Operating Temperature     -25°C ~ +65°C       Extended       Operating Temperature     -35°C ~ +75°C       Auge C     +75°C	Indicator	Power / ACT / Online		
meet the different needs of customers.  UIM Interface  1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.  Standard headset interface (requires software)  Standard Power interface  Standard 3-pin power jack.  Power Supply  Supply Voltage  DC5V to 32V. Over-voltage protection. Power reverse protection.  DC9V/1500mA  Average Communication Current  Communicating Instantaneous Peak Current  Standby Current  Standby Current  OS  WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension  Package Size 298*226*60mm  Weight  0.41kg  Operating Temperature  Extended Operating Temperature  Storage Temperature  40°C ~ +85°C  +85°C		Standard SMA female interface,50ohm; optional 3M/5M/10M/15M antenna extension cable,		
Standard headset interface (requires software)   Power Interface   Standard 3-pin power jack.	Antenna Interface	meet the different needs of customers.		
Standard 3-pin power jack.   Power Supply	UIM Interface	1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection.		
Supply Voltage Supply Voltage DCSV to 32V. Over-voltage protection. Power reverse protection.  DCSV/1500mA  Average Communication Current Communicating Instantaneous Peak Current Standby Current OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size 298*226*60mm Weight 0.41kg  Operating Temperature  Extended Operating Temperature  -35°C ~ +65°C Extended Operating Temperature -40°C ~ +85°C	Voice Interface	Standard headset interface (requires software)		
Supply Voltage Standard Power Supply DC9V/1500mA  Average Communication Current Communicating Instantaneous Peak Current Standby Current OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size 298*226*60mm Weight 0.41kg  Operating Temperature  Extended Operating Temperature  4.09°C ~ +75°C  -40°C ~ +85°C	Power Interface	Standard 3-pin power jack.		
Standard Power Supply Average Communication Current  Communicating Instantaneous Peak Current  Standby Current  Os WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Operating Temperature Extended Operating Temperature -35°C ~ +75°C -35°C ~ +75°C -35°C ~ +85°C		Power Supply		
Average Communication Current  Communicating Instantaneous Peak Current  Standby Current  Os WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Storage Temperature -40°C ~ +85°C	Supply Voltage	DC5V to 32V. Over-voltage protection. Power reverse protection.		
Current  Communicating Instantaneous Peak Current  Standby Current  Operation System  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature  Storage Temperature  40°C ~ +85°C	Standard Power Supply	DC9V/1500mA		
Current  Communicating Instantaneous Peak Current  Standby Current  Os WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature  Storage Temperature -40°C ~ +85°C	Average Communication			
Instantaneous Peak Current  Standby Current  36mA@+9VDC  Operation System  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature 540°C ~ +75°C  -40°C ~ +85°C	Current	90mA@+9VDC		
Current       <36mA@+ 9VDC         Operation System         Os         WINDOW / LINUX         Physical Features         Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.         Product Dimension       81*55*20 mm(Antenna and fixer are not included)         Package Size       298*226*60mm         Weight       0.41kg         Operating Temperature       -25°C ~ +65°C         Extended Operating Temperature       -35°C ~ +75°C         Storage Temperature       -40°C ~ +85°C	Communicating			
Standby Current  Operation System  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Storage Temperature -40°C ~ +85°C	Instantaneous Peak	1.0A@+9VDC		
Operation System  OS WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature  Storage Temperature -40°C ~ +85°C	Current			
OS  WINDOW / LINUX  Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Storage Temperature -40°C ~ +85°C	Standby Current	<36mA@+ 9VDC		
Physical Features  Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature 25°C ~ +75°C  Storage Temperature -40°C ~ +85°C		Operation System		
Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Storage Temperature -40°C ~ +85°C	OS	WINDOW / LINUX		
Shell   lightning protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.    Product Dimension   81*55*20 mm(Antenna and fixer are not included)		Physical Features		
rating IP30; particularly suit for harsh industrial control environments.  Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Storage Temperature -40°C ~ +85°C		Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation,		
Product Dimension 81*55*20 mm(Antenna and fixer are not included)  Package Size 298*226*60mm  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature -40°C ~ +85°C	Shell	lightning protection design; meet the power requirements of safety regulations; protection		
Package Size 298*226*60mm  Weight 0.41kg  Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature Storage Temperature -40°C ~ +85°C		rating IP30; particularly suit for harsh industrial control environments.		
Weight 0.41kg  -25°C ~ +65°C  Extended Operating Temperature -35°C ~ +75°C  Operating Temperature -40°C ~ +85°C	Product Dimension	81*55*20 mm(Antenna and fixer are not included)		
Other Parameters  Operating Temperature -25°C ~ +65°C  Extended Operating Temperature Storage Temperature -40°C ~ +85°C	Package Size	298*226*60mm		
Operating Temperature     -25°C     ~ +65°C       Extended Operating Temperature     -35°C     ~ +75°C       Storage Temperature     -40°C     ~ +85°C	Weight	0.41kg		
Extended Operating Temperature  Storage Temperature  -35°C ~ +75°C  -40°C ~ +85°C	Other Parameters			
Operating Temperature  -35°C ~ +75°C  -40°C ~ +85°C	Operating Temperature	-25ºC ~ +65ºC		
Operating Temperature  Storage Temperature -40°C ~ +85°C	Extended	-35ºC ~ +75ºC		
	Operating Temperature			
Relative Humidity 95%(No condensation)	Storage Temperature			
	Relative Humidity	95%(No condensation)		

### **Installation Dimension**



# **Product Application**



## **Typical application**

#### **Power Industry**

- Street lamp monitoring
- ♦ Meter monitoring
- Computer room monitoring
- Automatic remote control system for power distribution network
- ♦ Remote meter reading

#### **Transportation Industry**

- ♦ Traffic instructions
- ♦ Vehicle induction
- Highway monitoring
- Traffic light control and photo transmission

#### Water conservancy industry

- Water conservancy monitoring
- Real-time transmission monitoring of water supply network

# Environment, meteorology, oil field and other industries

- ♦ Monitoring of key pollution sources
- Environmental monitoring
- ♦ Weather monitoring
- Real-time noise monitoring
- Oilfield monitoring
- ♦ Heat network monitoring
- ♦ Coal monitoring
- Earthquake monitoring
- All kinds of PLC with serial port or 485 interface;
- ♦ DTU realizes wireless data transmission

## **Corporate Qualification**

Item	Content
	2011, it was rated as "the best supplier for customer satisfaction in China's industrial control
	industry"; the company's GPRS DTU product was rated as "innovative product award".
	2012, the company became a member of "China Quality Travel".
	2013, the company became a member of the "Technical Innovation Strategic Alliance of
	Intelligent Power Transmission and Distribution Equipment Industry".
	2014, it was rated as an innovative pilot enterprise .
	2014, the company's Zhanjiang Wi-Fi coverage project was awarded the "Sample Engineering
	Award" by the 13th China Automation Annual Conference.
	2015, its video products were rated as "Top Ten Video Transmission Enterprises" by China's
	industrial control industry.

	2015, the noise monitoring project was awarded the "Sample Project Award" by the 14th China
	Automation Annual Conference.
	2015, its video products were rated as "Top Ten Video Transmission Enterprises" by Huaqiang
Corporate Honor	Security Network.
	2016, the video products was rated by Huaqiang Security Network as "2015-2016 High-quality
	Supplier in China's Security Industry".
	2016, it was rated as the "best supplier of charging equipment parts" by charging pile
	communication equipment.
	2016, won the " Product Gold Award of 2016 7th Guangzhou International New Energy
	Automobile Industry Exhibition ".
	2016, The 3rd China Good Wi-Fi Organizing Committee awarded Caimore "2016 Best Wi-Fi
	Industry Application Solution Provider".
	2018, the company's industrial router was rated as "China's Top Ten Industrial Router Brands",
	and DTU was rated as "China's DTU Top Ten Brands"
	2018, it was rated as a key listed reserve enterprise in Xiamen City.
	2019, it was rated as a key listed reserve enterprise in Xiamen City.
	2019, it was rated as a key listed reserve enterprise in Fujian Province.
	2019, Shortlisted for China Telecom Corporation Limited, DICT solution partner of Shanghai
	branch
	2020, Selected as a key listed reserve company in Xiamen
High-tech	2009, it was recognized as a high-tech enterprise by the country
Enterprise	
Double-soft Enterprise	2010, it was recognized as a double-soft enterprise by the country
Occupational	ISO9001:2015 quality management system conforms to the standard
Health and	ISO14001:2015 environmental management system conforms to the standard
Safety Management	ISO45001:2018 occupational health and safety management system conforms to the
System	standard
Certification	
Copyright	The company has 7 patented technology certificates to maintain equipment stability and 31 software copyright certificates.
Offices	Nine regional offices have been established nationwide to provide customers with close and considerate services.
Registered Capital	The company has a registered capital of 20.58 million; it is a key high-tech enterprise supported by Xiamen City.
Historical Accumulation	18 years of industry R&D accumulation and industry application test.