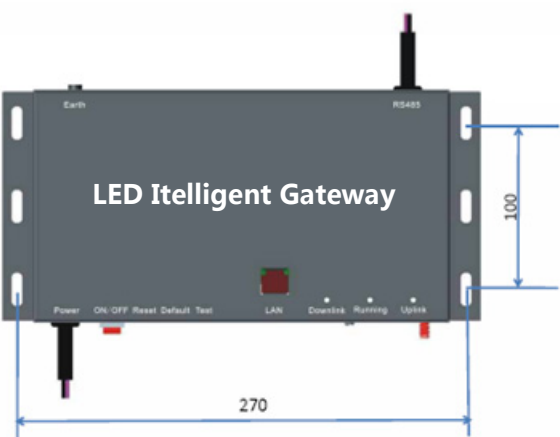
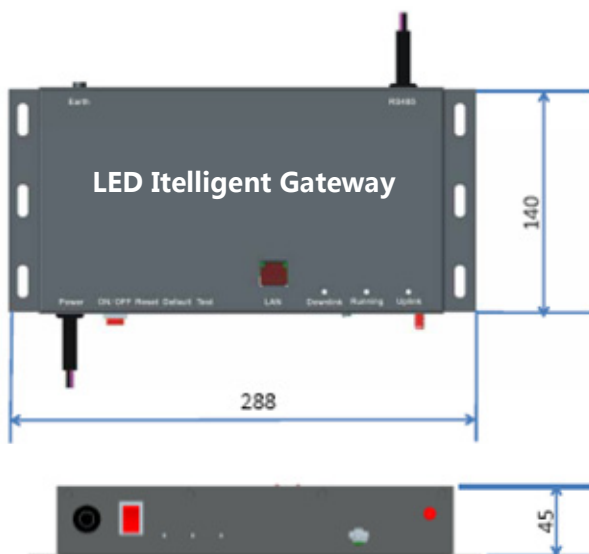




General Description

MOONS' LED wireless public lighting intelligent monitoring System is suitable for all kinds of urban road landscape, parking lots, tunnels, tunnels, such as the application of occasions. System is mainly composed of wireless LED intelligent Control table, single light controller, LED outdoor wireless public lighting intelligent monitoring and control system software.

LED street lamp lighting agreement and some sensors. Each wireless LED intelligent gateway can manage up to 200 wireless Node controllers. In order to adapt to road use environment, use tree wireless network topology, it can support up to 20 hops.

LED street lamp lighting protocol is divided into two parts: the central controller to a gateway of the protocol, named LED intelligent lighting control system application layer communication protocol; Agreement between the gateway to node controller, named the LCP - SH agreement. LED street lamp lighting protocol support online upgrade of the firmware. To reduce the difficulty of the breakdown maintenance.

LED intelligent lighting control system application layer communication protocol is fully consider the actual demand for public lighting. LCP - SH protocol is a has nothing to do with the specific physical layer, it can run on the PLC or 2.4 G wireless.

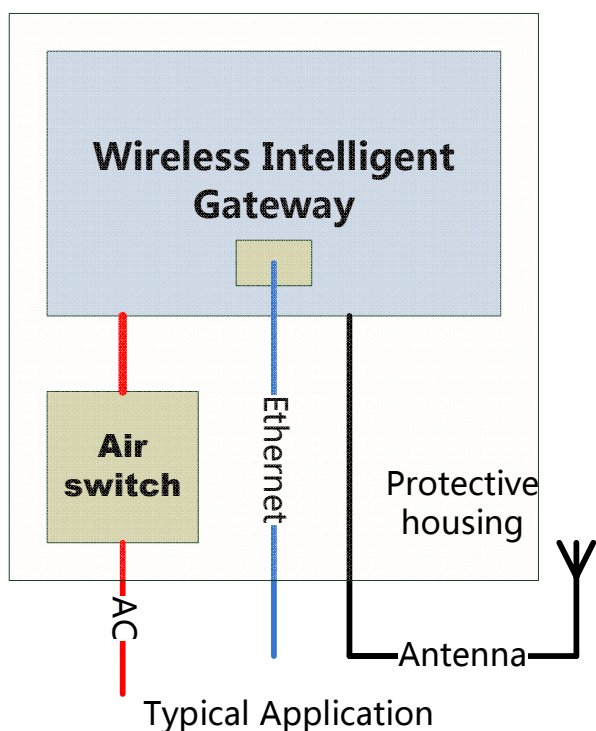
Features

- Uplink support Ethernet channel, follow the TCP/IP protocol (RJ45 interface)
- Downlink support 2.4 GHz wireless , IEEE802.15.4 standard, Up to 1000 m (visual range), the transmission rate of 250 kbps.
- Additional RS485 bus channel all the way, can be used to connect watt-hour meter, optical sensor, flow sensor, etc.
- According to different customer needs, for single lamp controller communication way to Send unicast, multicast, broadcast, and scene dimming: control mode has a remote dimmer, local control mode, the control dimmer.
- Failure mechanism, the gateway communicates with the monitoring center to lose after 5 minutes, automatically enter the time control mode, according to the records of fault control method for single lamp controller to control the day before, until the communication recovery and the monitoring center.
- Built-in RTC with backup battery, power supply after the clock can run continuously for 30 days.
- Built-in TF card slot, can extend the FLASH space (up to 2 Gb), is used to record history data.
- Power requirement of 200 ~ 240 vac.50/60 Hz.

Switches and Buttons		
ON/OFF	Power on/off	1 power on , 0 power off ; Don' t switch too often
Reset	Reset the gateway	By pressing this button with sharp object, the gateway and system reset
Default	Initialize the gateway	Long press the button with sharp object, gateway will delete all the configuration and data, then back to factory default state. Be caution!
Test	Not used	\

Indicator Lamps		
Power Lamp	RED	On : Power On Off : Power Off
Running Lamp	RED	On : CPU work well Off : CPU Stop
Downlink Lamp	RED	On : Networking success Flash : Networking Off : Module fault
Uplink Lamp	/	NOT USED
Ethernet Lamp	GREEN	On : Ethernet connection is good Flash : data transfer is good Off : Ethernet is not connected
Network speed Lamp	ORANGE	On : 100M Off:10M

Technical Specifications		
AC input	Voltage Frequency	200~240V, Single Phase 50/60Hz
RF	Transmit Power Receive sensitivity Transmission rate Frequency range	20dBm -100dBm 250kbps 2400~2485MHz
Ethernet	100M Transmit voltage 10M Transmit voltage Transmission rate	-1.05~+1.05V -2.8V~+2.8V 10/100Mbps
Stability	Operating temperature Operating humidity Pressure Storage temperature Storage humidity Vibration MTBF	-25~55℃ 10~90%,no frost 63~108kPa,Alt.≤4000m -30~85℃ 5~95%,no frost 1G ≥30000h @25℃
Others	Data Storage Back-up battery Dimensions Weight	10years ≥30days 288*140*45mm 1.38kg
Safety	Standards	IEC61347-2-1 IEC61347-2-11
EMC	Insulation resistance Isolation voltage	AC input to others≥100MΩ AC input to DC 2kVac
	Standards	EN61000-4-2 IV; EN61000-4-3 III; EN61000-4-4 IV; EN61000-4-5 IV; EN61000-4-6 III; EN61000-4-8 III; CISPR 11 (2.4~2.5GHz).



Attention:
Keep the antenna is not metal block.
Keep the gateway grounding is good.

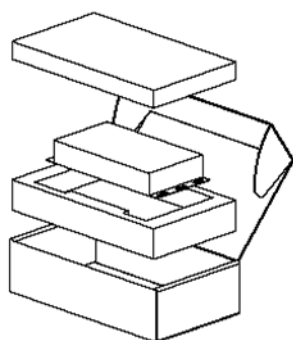
Order Information

MSKT1005-ZIG Wireless Intelligent Gateway	4696350001525
Antenna feeder line (Replaceable)	4634140202296
Antenna (Replaceable)	4741135000009

Package List

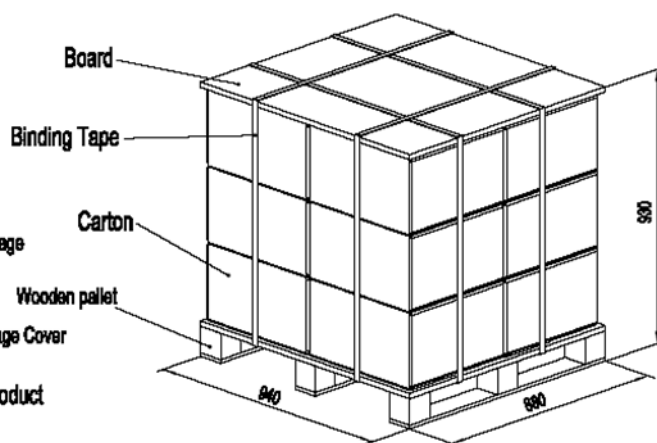
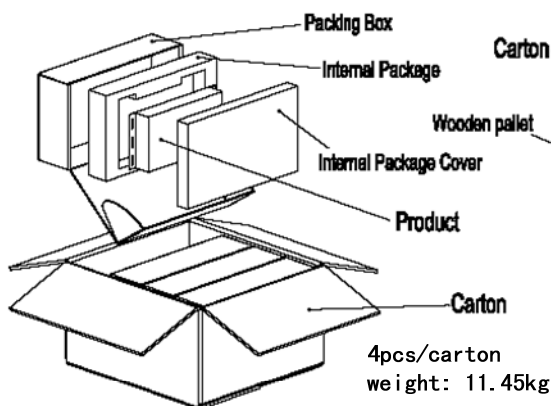
MSKT1005-ZIG(Wireless Intelligent Gateway)	*1
Antenna feeder line	*1
Antenna	*1

Package



1pcs
weight: 1.38kg

Packing box dimension:
374*218*102
Carton dimension:
480*420*285



12 cartons/pallet
weight: 130kg