



**GL100CF**

## Integrated Smart Gateway (GL100CF)

Industrial IOT smart gateway

### OVERVIEW

- IIOT integrated smart gateway, with many built-in functions
- Supporting a maximum of 2000 sensor nodes in the coverage of 10Km
- Built-in network server, visualization service and time-series based sensor database
- Supports customized business logic development
- Utilized in fleet management, outdoor environment, building or factory management

Product Code	TPL-GSG004
<b>Standard parameters</b>	
Processor	ARM v73
RAM	1GB SDRAM, 4G Flash
LAN	One 10/100M
LoRaWAN RF Rx connector	RP-SMA (water-proof)
LoRaWAN RF Tx connector	RP-SMA (water-proof)
4G connector	RP-SMA (water-proof)
GPS connector	RP-SMA (water-proof)
<b>Cellular network</b>	
Supported networks	China Mobile 2/3/4G, China Unicom 3G, China Telecom 3G
<b>LoRaWAN support</b>	
Coverage	8 path Rx, can cover 20000 LoRaWAN ports
Frequency	433MHz, 470 – 510MHz, 868MHz, 915MHz
Sensor mode	LoRaWAN Class A/B/C
Data rate	Adaptive data rate
Network server	Built-in
Application server	Built-in
Sensor database	Built-in time sensor DB, store data up to 7-30 days
Reporter	Built-in real-time reporting
Business logic customization	Support customization for business logic & edge analytics
API customization	Support customization API development
<b>UHF RFID specification (optional)</b>	
UHF RFID Support	UHF EPC Class 1 Gen 2 / ISO 18000-6c, 4 port reader, >200/sec inventory speed
Performance	1 – 33dBm, read distance 15m
<b>Power input</b>	
DC input	DC 24V/1A or PoE
Power consumption	20 W
<b>Other parameters</b>	
Working temperature	-30 ~ 70 °C
Size	250 x 190 x 100 mm
Material	Aluminum
Weight	2000g