



The Reliable  
Secure Interconnect Solution  
from ElastikCloud Labs



## SANDESH 900T SERIES

SANDESH 900T Series gateway is designed to communicate remote devices via 4G Network. Transparent mode of this gateway helps to monitor, control and configure devices connected in RS232/484 serial line. The installation and commission with minimal configuration with support of powerful ElastikCloud KNOX cloud platform allows easy usage of the gateway with simple configuration. Gateway can be mounted on DIN or wall and it works with power supply ranging from 10V-32VDC, 150V-380V AC. The serial port feature 15 kV ESD line protection to protect the products from harmful electrical discharge, built-in micro-USB interface make it easy for user connect to PC for configuration and fast Firmware upgrade.

### GENERIC TRANSPARENT GATEWAY



Gateway 4G LTE /  
Ethernet to RS232, RS485



Transparent Mode  
(RS232, RS485)



Application Real-time Remote  
monitoring & Control - Energy  
meter (Modbus/ DLMS), PLC etc.



Standard MQTT Broker  
with standalone Server  
or Azure

## FEATURES

ETHERNET (DUAL PORT) SUPPORT

CELLULAR (GPRS/2G/3G/4G)

WIFI

SERIAL PORT (RS232/RS485)

SSL/TSL SUPPORT

SIGNAL JAMMING DETECTION

TCP/UDP/HTTP/HTTPS/MQTT SUPPORT

WINDOWS AZURE/ AWS SUPPORT FOR MQTT

CUSTOM PRODUCT SUPPORT

CONFIGURATION FOR THE DEVICES AS PER  
CUSTOMER REQUIREMENTS

EASY CONFIGURATION VIA USB & CLOUD SERVER

OVER THE AIR (OTA) FIRMWARE UPGRADE

DATA PUSH & PULL OPTION

MONITOR & CONTROL FROM CLOUD SERVER

USB PORT FOR CONFIGURATION & MAINTENANCE

REAL TIME CLOCK SUPPORT  
NETWORK SYNCED

LOCATION PUBLICATION  
LATITUDE & LONGITUDE

WEB SERVICE SUPPORT (SOAP, REST)

STATUS INDICATION VIA 4 LEDS

PLUG & PLAY

EXTERNAL STORAGE (SD CARD)

## KEY APPLICATIONS



Automated  
Energy Meter  
Reading



Gas Meter  
Reading



Water Meter  
Reading



Wireless Temperature  
Monitoring & Control



Smart Control &  
Home Automation



Street Light  
Control

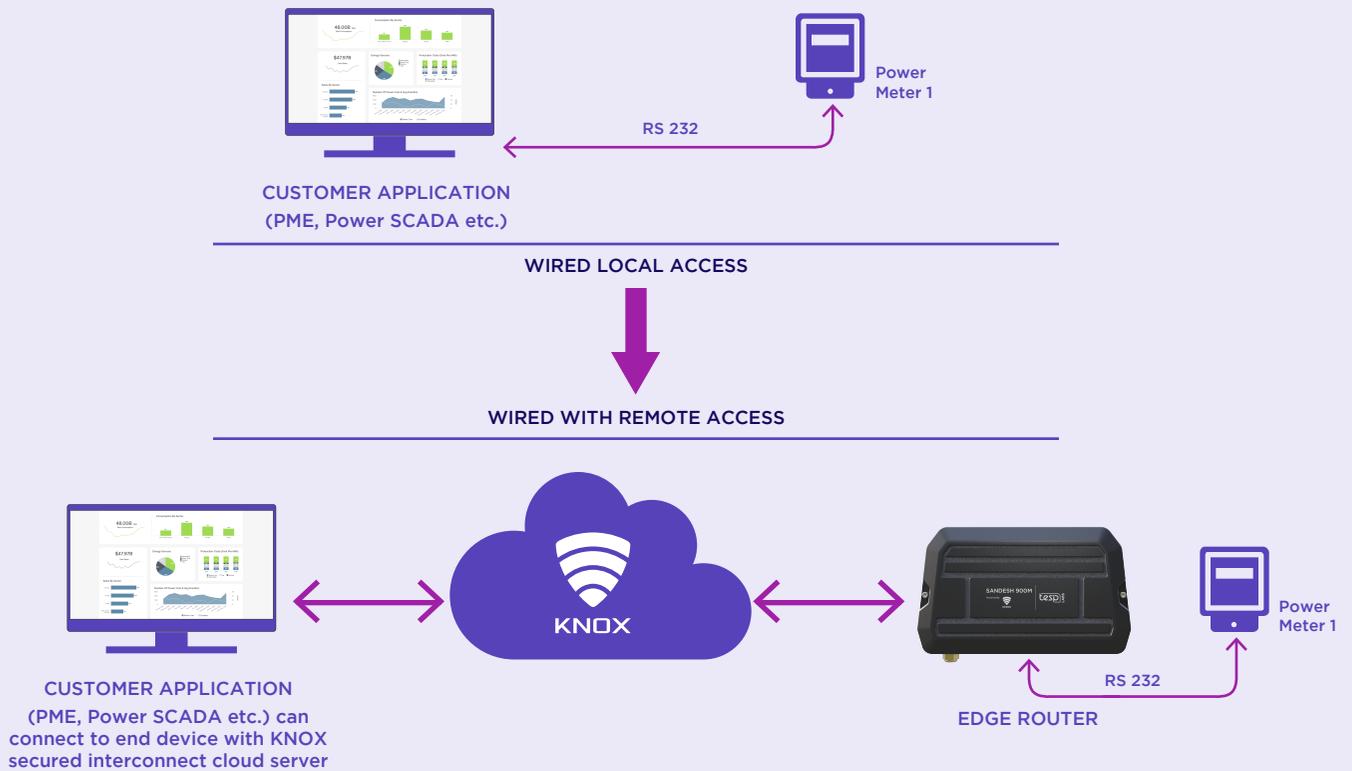


Smart  
Sensors



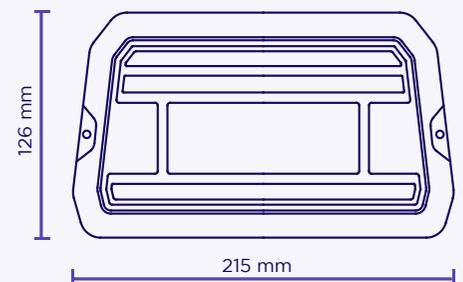
Industrial Equipment &  
Commercial Appliance  
Monitoring & Control

## GENERIC TRANSPARENT MODEM - SYSTEM ARCHITECTURE



## TECHNICAL SPECIFICATIONS

POWER SUPPLY	10-32V DC, 150V-380V AC
POWER CONSUMPTION	2.5W AVERAGE, 3.5W (PEAK POWER)
STATUS INDICATORS	COMMUNICATION, GPRS CONNECTIVITY/4G
OPERATING TEMPERATURE	-10°C TO 60°C
DIMENSION	126MM (L) X 215MM (B) X 58MM (H)
WEIGHT	-500GMS
MATERIAL	ABS
PHYSICAL INTERFACE	SIM, USB & EXTERNAL ANTENNA
CONFIGURATION	REMOTELY CONFIGURABLE / LOCAL CONFIGURABLE WITH USB FOR SPECIFIC APPLICATIONS
FREQUENCY BAND	VARIANT 1: GSM 850, EGSM 900, DCS 1800, PCS 1900. SIM 800 CAN SEARCH THE 4 FREQUENCY BANDS AUTOMATICALLY. COMPLIANT TO GSM PHASE 2/2+ VARIANT 2: 2G QUAD BAND (VARIANT 1) + 4G
TRANSMISSION POWER	CLASS 4 (2W): GSM 850, EGSM 900 CLASS 1 (1W): DSC 1800, PCS 1900
INDICATIONS	POWER GPRS/ GSM NETWORK METER COMMUNICATION ACTIVITY CLOUD CONNECTIVITY/ LAN CONNECTIVITY



FRONT VIEW



BOTTOM VIEW

## ACCESSORIES

- 3 DBI ANTENNA, 3 METER - 1 NO.
- CONNECTORS FOR INTERFACE - 2 NOS.