



The Reliable Secure Interconnect Solution from ElastikCloud Labs

SANDESH 900M SERIES

SANDESH 900M Series gateway is designed to communicate remote devices via 4G Network. Gateway can be used to collect data from modbus devices connected in RS232/ RS484 serial line. ElastikCloud Labs installation and commission tools helps the users to configure the gateway and powerful KNOX cloud platform allows easy usage. 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 INDUSTRIAL GATEWAY



Generic Modbus data collection and Logging - FC03/06, Periodic collection RS485/ Modbus TCP



Data format conversion



Data Publication HTTPS or MQTT Broker



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

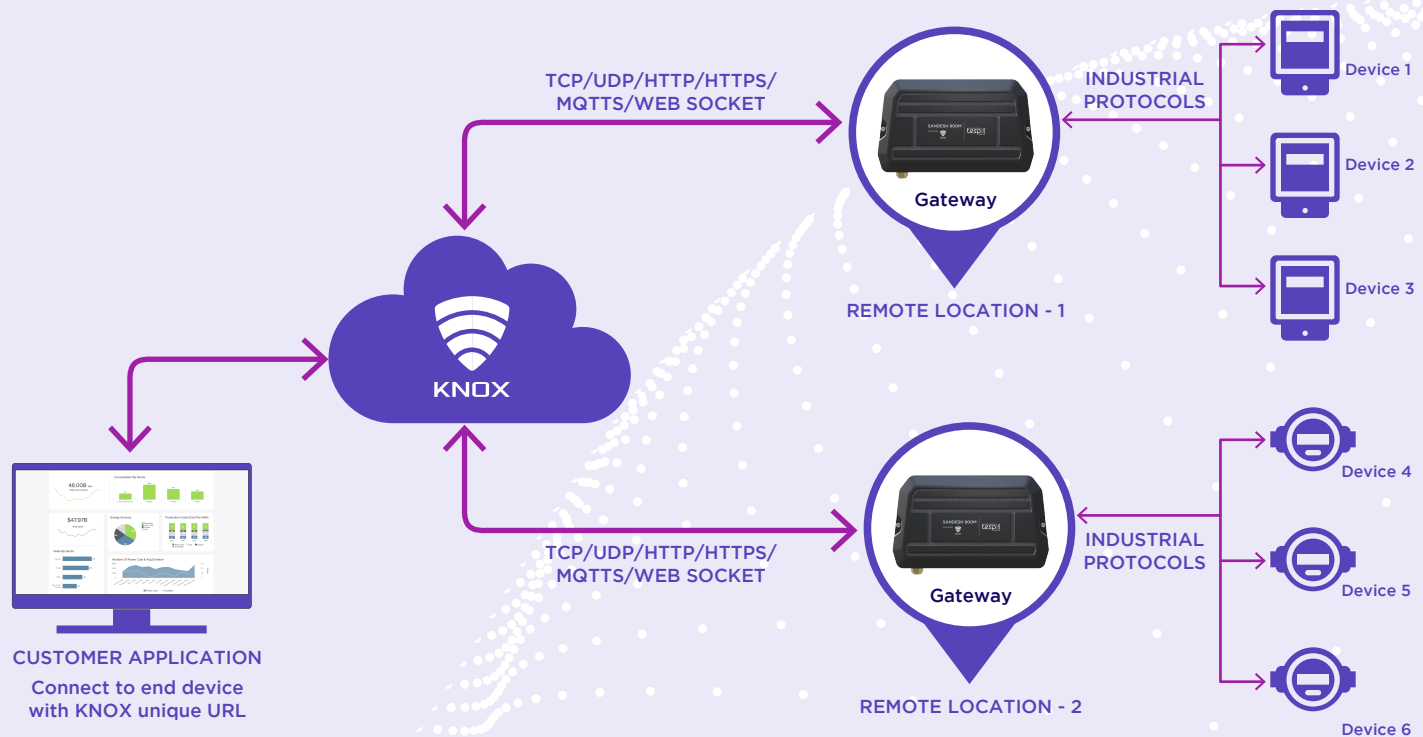


Smart Sensors



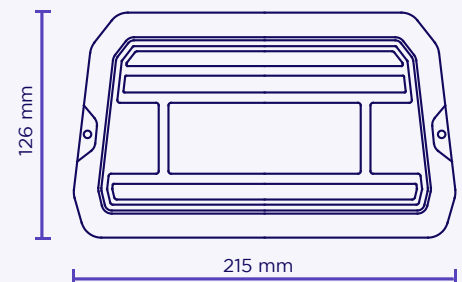
Industrial Equipment & Commercial Appliance Monitoring & Control

GENERIC INDUSTRIAL 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	REMOTEY 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.