

# SMG-6100 Series

**Smart machine-to-machine gateway with 4 Ethernet ports, VGA, USB, IPsec**



- > Secure communication platform with tunnel server (IPSec) for 2-way IP communication to distributed Modbus Gateway (SMG-1100)
- > Networking host to back-end host and Modbus TCP Master/ Slave devices
- > IPsec configuration with SMG Manager 1.0



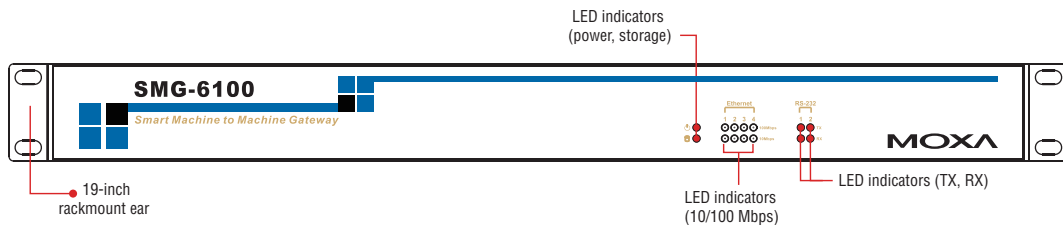
## Overview

The SMG-6100 smart gateway can be used with sophisticated M2M solutions for constructing a tunnel server (IPsec) and bi-directional IP communications. When used with Moxa's SMG-1100 Series, the SMG-6100 can serve as a secure networking host over IPsec to

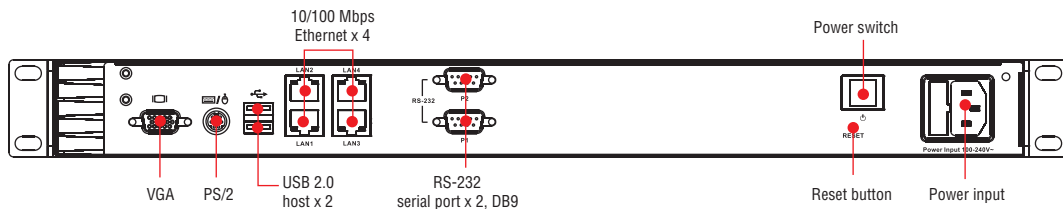
back-end host computers and Modbus TCP Master/Slave devices. One of the key benefits of this architecture is that it can work with an unlimited number SMG-1100 units to facilitate and accelerate the remote monitoring and management of Modbus devices.

## Appearance

### Front View

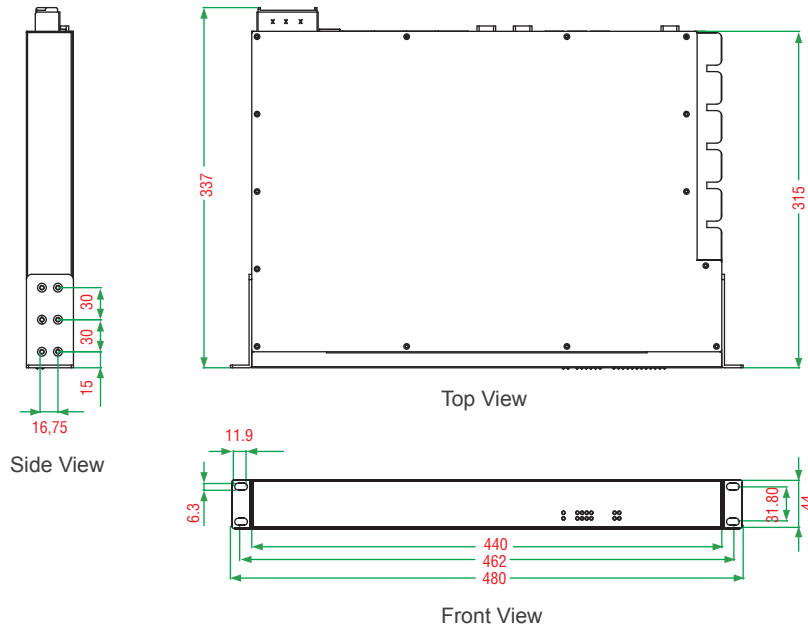


### Rear View



## Dimensions

Unit: mm (inch)



## Specifications

### Ethernet Interface

**LAN:** 4 auto-sensing 10/100 Mbps ports (RJ45)

**Magnetic Isolation Protection:** 1.5 KV built-in

### Serial Interface

**Serial Standards:** Reserved

### LEDs

**System:** Power x 1, Storage x 1

**LAN:** 10/100M x 4

**Serial:** RS-232: 2 x Tx, 2 x Rx

### Physical Characteristics

**Housing:** SECC sheet metal (1 mm)

**Weight:** 4.5 kg

**Dimensions:** 440 x 315 x 45 mm (19-inch 1U height)

**Mounting:** Standard 19-inch rackmount

### Environmental Limits

**Operating Temperature:** -10 to 60°C (14 to 140°F)

**Storage Temperature:** -20 to 80°C (-4 to 176°F)

**Ambient Relative Humidity:** 5 to 95% (non-condensing)

### Power Requirements

**Input Voltage:** Single Input, 100 to 240 VAC auto ranging, 47 to 63 Hz for AC input

**Power Consumption:** 26 W

### Standards and Certifications

**Safety:** UL 60950-1, CSA C22.2 No. 60950-1-03, EN 60950-1, CCC GB4943

**EMC:** CE, FCC

**EMI:** EN 55022 Class A, FCC Part 15 Subpart B Class A

**EMS:** EN 55024

**Green Product:** RoHS, CRoHS, WEEE

### Reliability

**Alert Tools:** Built-in buzzer and RTC (real-time clock) with battery lithium backup

**Automatic Reboot Trigger:** Built-in WDT (watchdog timer) supporting 1-255 level time interval system reset, software programmable

### Warranty

**Warranty Period:** 5 years

**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

## Ordering Information

### Available Models

**SMG-6100:** Smart machine-to-machine gateway with 2 serial ports, 4 Ethernet ports, VGA, USB, IPsec

### Package Checklist

- 1 SMG-6100 gateway
- Ethernet cable: RJ45 to RJ45 cross-over cable, 100 cm
- Power cord
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card