

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
- > Supports unlimited Masters on serial or network side
- > Modbus and IPsec configuration with SMG Manager 1.0



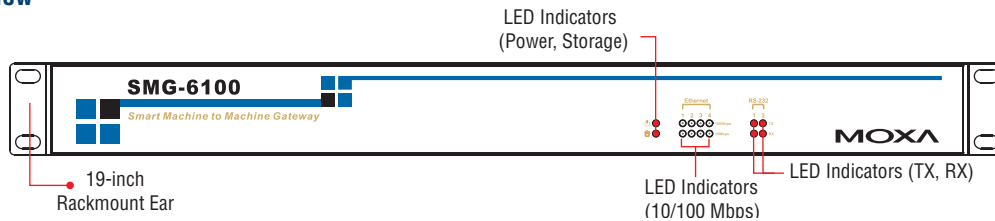
Overview

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

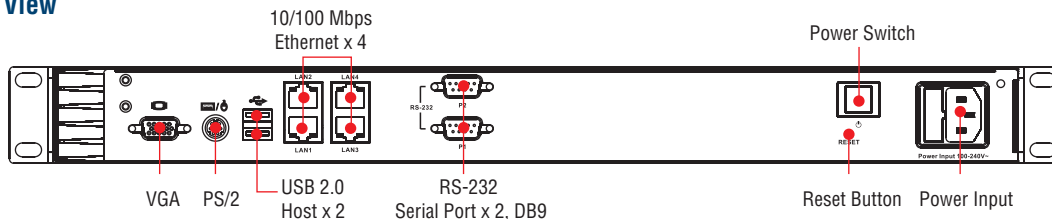
back-end host computers and Modbus TCP Master/Slave devices. One of the key benefits of this architecture is that it can work with an unlimited number SMG-1100 units to facilitate and accelerate the remote monitoring and management of Modbus devices.

Appearance

Front View

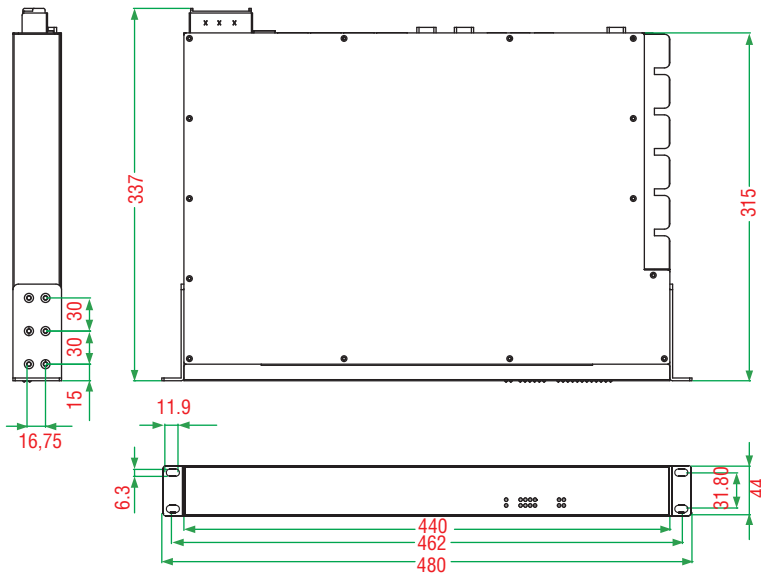


Rear View



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: 10M x 4, 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

Radio: EN 301 489-1, EN 301 489-7, EN 301 511

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

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