

SmartNode Open Gateway Appliance

Quick Start Guide



Important—This is a Class A device and is intended for use in a light industrial environment. It is not intended nor approved for use in an industrial or residential environment.

REGULATORY MODEL NUMBER: 07MSNOGA-DS5



WARNING

- Do not open the device when the power cord is connected. For systems without a power switch and without an external power adapter, line voltages are present within the device when the power cord is connected.
- For devices with an external power adapter, the power adapter shall be a listed *Limited Power Source*. The mains outlet that is utilized to power the device shall be within 10 feet (3 meters) of the device, shall be easily accessible, and protected by a circuit breaker in compliance with local regulatory requirements.
- For AC powered devices, ensure that the power cable used meets all applicable standards for the country in which it is to be installed.
- For AC powered devices which have 3 conductor power plugs (L1, L2 & GND or Hot, Neutral & Safety/Protective Ground), the wall outlet (or socket) must have an earth ground.
- For DC powered devices, ensure that the interconnecting cables are rated for proper voltage, current, anticipated temperature, flammability, and mechanical serviceability.
- WAN, LAN & PSTN ports (connections) may have hazardous voltages present regardless of whether the device is powered ON or OFF. PSTN relates to interfaces such as telephone lines, FXS, FXO, DSL, xDSL, T1, E1, ISDN, Voice, etc. These are known as “hazardous network voltages” and to avoid electric shock use caution when working near these ports. When disconnecting cables for these ports, detach the far end connection first.
- Do not work on the device or connect or disconnect cables during periods of lightning activity.



In accordance with the requirements of council directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE), ensure that at end-of-life you separate this product from other waste and scrap and deliver to the WEEE collection system in your country for recycling.

1.0 What's Included With the SNOGA

1. SNOGA
2. AC Power Adaptor
3. INS-KIT-2
 - 1 x D89 to RJ45 control port Adaptor (EIA-561)
 - 2 x RJ45 Cables 10ft
 - Rubber Feet
4. Rack Ears and Hardware (already installed)
5. Electrical Safety Notice
6. Quick Start Guide

2.0 Steps for Setting Up the SNOGA

1. Plug a mouse into USB
2. Plug a keyboard into USB
3. Plug a monitor into either VGA or HDMI
4. Plug the power adaptor into the power connector on the back of the unit

Note *Make sure the power adaptor is plugged in ALL the way and the connector is locked in.*

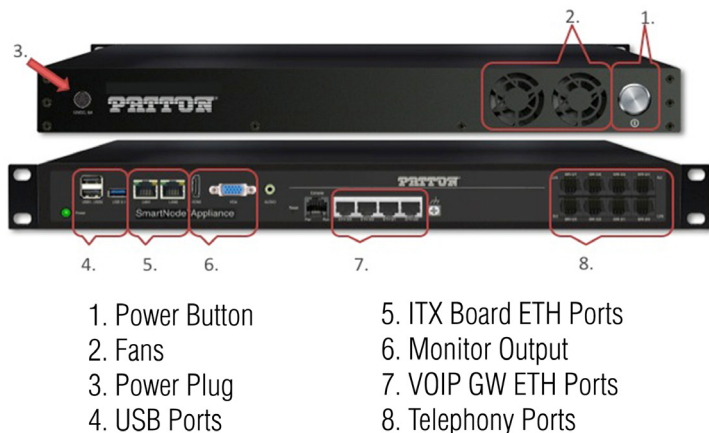


Figure 1. SNOGA basic connections

3.0 Basic Application

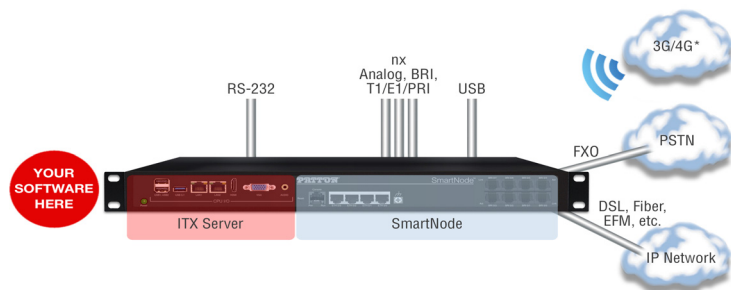


Figure 2. SNOGA Application

Note Your favorite 3rd party switch is required for communication between the SmartNode and the integrated PC.

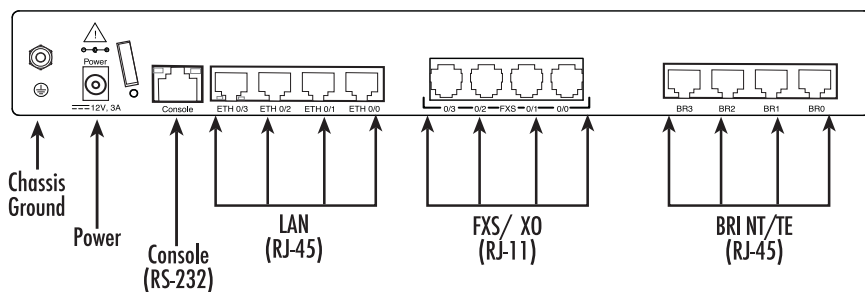
4.0 List of SNOGA SKU's and Their Related SmartNodes

Product SKU	Related SmartNode
SNOGA/1E15V/EUI	SN4981/1E15V/EUI
SNOGA/1E30V/EUI	SN4981/1E30V/EUI
SNOGA/4E15VR/EUI	SN4981/4E15VR/EUI
SNOGA/4BIS8V/EUI	SN4661/4BIS8V/EUI
SNOGA/2BIS2JS2JO8V/EUI	SN4661/2BIS2JS2JO8V/EUI
SNOGA/4BIS4JS4JO12V/EUI	SN4661/4BIS4JS4JO12V/EUI
SNOGA/4JS4JO/EUI	SN4660/4JS4JO8V/EUI
SNOGA/8BIS16V/EUI	SN4661/8BIS16V/EUI
SNOGA/8JS/EUI	SN4660/8JS8V/EUI

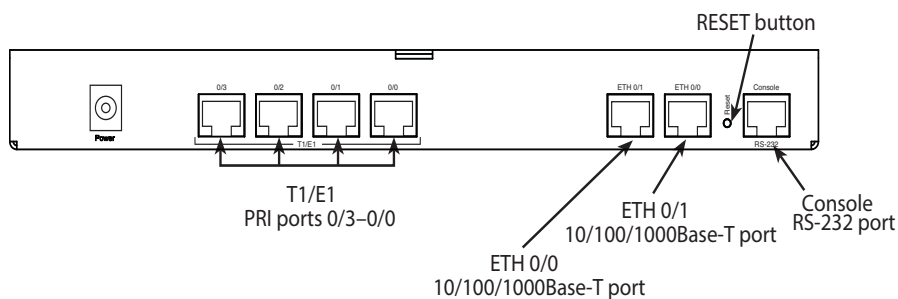
Note For all SKU's please refer to the SmartWare CLI guide for information on the SmartNode Command Line Interface and commands:
http://www.patton.com/manuals/07MSWR66_SCG-UM.pdf

5.0 SmartNode Ports

5.1 SN 4600 Series



5.2 SN 4980 Series



Default IP Address:

192.168.1.1

A.0 Specifications

CPU / Socket	Intel Celeron J1900 2.0/2.41 GHz
TDP	10 W
Memory	2x DDR3L SODIMM
Storage	1x mSATA (full size)
Graphics	Intel HD 688/854 MHz
Video Signal	1x VGA, 1x HDMI
Network & Wireless	2x LAN 1000
I/O	8-bit DIO
Cooling	Passive
Operating Temperature	0 to 60°C
Form Factor	Mini-ITX
Length	170 (mm)
Width	170 (mm)
Input Power	12 DC V

B.0 Compliance Information

B.1 Compliance

- EMC: EN55022 and EN5502
- FCC Part 15 Class A; Part 68; CS-03
- CE
- Safety: EN 60950

2.2 Radio and TV Interference (FCC Part 15)

This equipment generates and uses radio frequency energy, and if not installed and used properly—that is, in strict accordance with the manufacturer's instructions—may cause interference to radio and television reception. This equipment has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection from such interference in a commercial installation. However, there is no guarantee that interference will not occur in a particular installation. If the equipment causes interference to radio or television reception, which can be determined by disconnecting the cables, try to correct the interference by one or more of the following measures: moving the computing equipment away from the receiver, re-orienting the receiving antenna, and/or plugging the receiving equipment into a different AC outlet (such that the computing equipment and receiver are on different branches).

B.3 CE Declaration of Conformity

Product Description: SmartNode Open Gateway Appliance

This equipment conforms to the requirements of Council Directive 1999/5/EC on the approximation of the laws of the member states relating to Radio and Telecommunication Terminal Equipment and the mutual recognition of their conformity and the Directive 2011/65/EC relating to RoHS compliance.



The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The signed Declaration of Conformity can be downloaded from www.patton.com/certifications/.

B.4 Authorized European Representative

D.R.M. Green
European Compliance Services Limited.
Avalon House, Marcham Road
Abingdon, Oxon OX14 1UD, UK

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Patton support headquarters in the USA

- Online support: Available at www.patton.com
- E-mail support: E-mail sent to support@patton.com will be answered within 1 business day
- Telephone support: Standard telephone support is available five days a week—from 8:00 am to 5:00 pm EST (1300 to 2200 UTC/GMT)—by calling +1 (301) 975-1007
- Support via VoIP: Contact Patton free of charge by using a VoIP ISP phone to call [sip:support@patton.com](tel:sip:support@patton.com)
- Fax: +1 (301) 869-9293

Alternate Patton support for Europe, Middle East, and Africa (EMEA)

- Telephone support: Standard telephone support is available five days a week—from 9:00 am to 12:00 pm & 1:30 pm to 5:30 pm CET (0800 to 16:30 UTC/GMT)—by calling +41 (0)31 985 25 55
- Fax: +41 (0)31 985 25 26

Warranty, Trademark, & Compliance Information

For warranty, trademark and compliance information, refer to the *SmartNode Series data sheet* available Online at http://www.patton.com/datasheet/SNOGA_data-sheet.pdf.