
Introduction

Soyntec thanks you for purchasing your new Nexoos 400 switch. We wish you enjoy using it.

Nexoos 400 is a 8-port 10/100Mb Ethernet switch for connecting up to 8 computers or network devices, supporting Ethernet or Fast Ethernet standards, by twisted pair cables with RJ-45 type connectors.

We suggest reading this user manual for enjoying this product is a safe way and with the best performance.

Main features

- Eight 10/100Mbps Half/Full Duplex RJ-45 ports with automatic speed selection and protection against incorrect polarity.
- Easy installation and automatic setup. Front panel with led indicators for comfortable reading.
- Allows indistinct use of direct or crossed cable thanks to its Auto MDI/MDIX function that also guarantees cascade connection with other switches and/or hubs.
- Ensures data integrity with its Store-And-Forward transmission scheme.
- Conforms the standards ensuring maximum throughput and compatibility.

Product contents

- 8-Port 10/100Mbps Ethernet Switch.
- External power adapter 230V AC / 7.5V DC.
- Screws.
- Anchors.
- Adhesive pads.
- User manual in spanish, english and italian.

Specifications are subject to change without notice.

Product overview

The following picture shows the switch front panel:

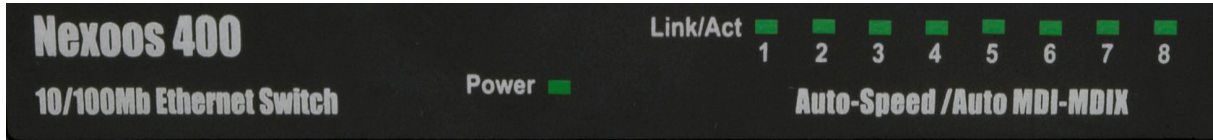


Figure A: Switch front panel

The following table explains the meaning of each LED indicator:

LED	State	Description
Power	On	Device powered and ready
Link/Act	On	Link established
[1 - 8]	Flashing	Data Transmission
	Off	Full-Duplex Mode activated

Next picture shows the switch rear view:

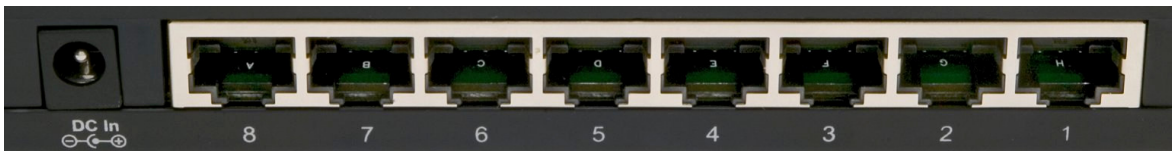


Figure B: Switch rear view

Connect the cable end of the provided external power adapter to the “DC In” connector .

The computers or network devices have to be connected to the switch by twisted pair cables with RJ-45 type connectors to any of the female RJ-45 connectors numbered from 1 to 8.

Network connection

Connect each computer (or network device) to one switch port by a 3/4/5 category UTP/STP twisted pair cable. In order to have the connection established, network devices or computers need to be correctly installed, with the proper software drivers and network protocols.

Speed connection between devices that support the Ethernet standard is 10 Mbps and 100 Mbps if they support the Fast Ethernet standard. Keep in mind that 100 Mbps connections

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require using category 5 (or better) twisted pair cable.

Both Half Duplex and Full Duplex connections are supported, depending if the network infrastructure and network devices configuration allow or not allow data transmission and reception simultaneously.

Connection speed and Half/Full Duplex mode are automatically selected, in a way that the data connection takes maximum advantage from the cable and connected devices characteristics.

Technical specifications

Standards:	Auto MDIX Function IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-TX Fast Ethernet ANSI/IEEE Std 802.3 N-Way Auto-Negotiation IEEE802.3 Frame types: Transparent IEEE802.3x flow control for Full-Duplex Back-Pressure flow control for Half-Duplex
Protocol:	CSMA/CD
Topology:	Star
Transmission Method:	Store-and-Forward
Throughput: 10 BASE-T: 100 BASE-TX:	10Mbps (Half-Duplex); 20Mbps (Full-Duplex) 100Mbps (Half-Duplex); 200Mbps (Full-Duplex)
Media: 10 BASE-T: 100 BASE-TX:	Twisted-pair UTP/STP Cat. 3,4,5 or up Twisted-pair UTP/STP Cat. 5 or up
RAM Buffer:	Total 128Kbytes per device
MAC Address Table:	1K
Smart Function:	Broadcast storm Protection MAC Address table aging Automatic Power Saving
Temperature: Operating: Storage:	5° C ~ 45° C 0° C ~ 65° C
Humidity: Operating: Storage:	10% ~ 90% 5% ~ 95%
Conformance:	FCC Class B, CE Mark Class B

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Federal Communications Commission Frequency Interference Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions in this manual, may cause interference to radio communications.

This equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC rules, which are designed to provide reasonable protection against radio interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interference.

CE Declaration of conformity

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class B for ITE and EN 50082-1. This meets the essential protection requirements of the European Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Trademarks

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