Manuals+ — User Manuals Simplified.

DIGITUS DN-80230 8-Port Multi-Gigabit Switch Installation Guide

8-Port Multi-Gigabit Switch,
2.5G, unmanaged
Quick Installation Guide
DN-80230

Contents

Introduction

The 8-Port Multi-Gigabit Switch (4-Speed) from DIGITUS® provides 8 x RJ45 ports with 2.5 Gbps bandwidth each. Expand your existing network easily with the available backplane bandwidth of 40 Gbps. No configuration is required on the switch itself; thanks to auto-negotiation and auto MDI/MDI-X, cables and speeds are also automatically detected. The switch can be used as a desktop variant or mounted on a wall with the included mounting accessories. Thanks to the external power adapter, the switch does not need a fan at all. Ideal for expanding/setting up small home or business networks with data rates of up to 2.5 Gbps – so even high workloads due to high-resolution streams or high data volumes are no problem.

Features

- Anzahl der Ports: 8 x 10/100/1000/2500 Mbps (4-Speed)
- Network standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz
- Auto-negotiation: Auto MDI/MDI-X
- IEEE 802.3x full-duplex flow control
- Backplane bandwidth: 40 Gbps
- Transfer method: Store and forward
- Switching rate: 3.72 Mpps (@2.5G)
- LED displays: 10/100/1000 Mbps Link/Act, 2.5 Gbps Link/Act, Power
- Jumbo frames: 12 KB
- Buffer memory: 12 Mbit
- L2 MAC table: 16K
- Fanless design
- Operating voltage: 12 V DC / 1.8 A
- Power consumption: 12 W max.
- Power supply, power adapter: 100 – 240 V AC, 50/60 Hz, 21.6 W
- Plug type, power adapter: Euro plug Type C (CEE 7/16)
- Plug type, device side: Coaxial plug (DC) 5.5 mm / 2.1 mm
- Operating temperature: 0 °C to +40 °C
- Operating humidity: 10% – 90% RH (non-condensing)
- Storage temperature: -10 °C to +60 °C
- Fanless design (air flow cooling)
- Dimensions: W 190 x D 120 x H 30 mm
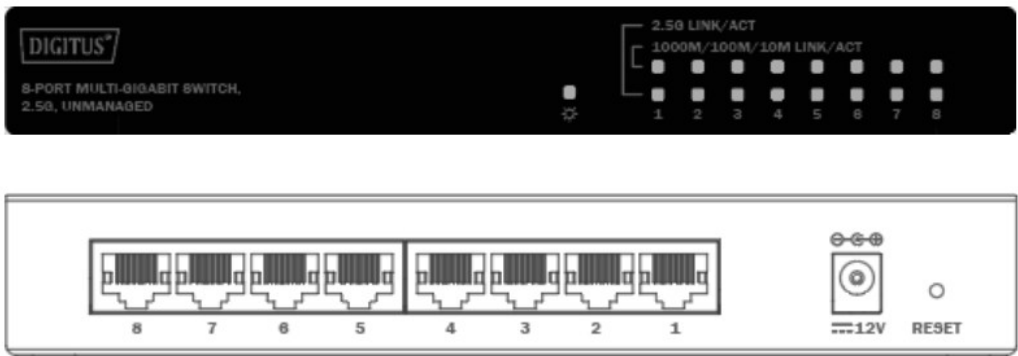- Weight: 735 g

Package Content

- 1 x 8-Port Gigabit Switch, 2.5G, Unmanaged
- 1 x Power adapter
- 1 x Accessories for wall mounting
- 1 x Quick start guide

Front Panel LED Indicators

The following table provides descriptions of the LED status and their meaning.

LED	Color	Status	Description
Power	Green	On	The power of the Switch is On
2.5G Link/Act	Green	On	A valid connection with 2.5Gbps
		Blinking	Receiving Packets
1000M/100M/ 10M Link/Act	Green	On	A valid connection with 1000M/100M/10Mbps
		Blinking	Receiving Packets

Front and Back Panels

Hardware Installation

This device will work with all OSs because there is no configuration needed for this stand-alone device. This switch has auto MDI-X ports that will auto-sense the cable type that you are using for each port. The switch will then automatically change the polarity of the port as need to ensure a link with either a straight-through or crossover cable. Remember, if you have a link light then you are using the correct cable.

Specifications

Lan Port	RJ-45 x 8 Ports
Other Ports	lx DC Jack, lx Rest Button
LED Indicators	8x G+G stacked LED (2.5G Link/Act, 1000/100/100M Link/Act) lx Green LED (Power)
Ethernet Standard	IEEE802.3: 100BASE-TX (802.3u) 1000BASE-T (802.3ab) 2.5G BASE-T (802.3bz)
Link Speed	100BASE-TX: 100 Mbps 1000BASE-T: 1 Gbps 2.5G BASE-T: 2.5 Gbps
Duplex	Supports both full-duplex/half-duplex
Autonegotiation	Support on all ports
AutoMDl/MDI-X	Support on all ports
Jumbo Frame	Support (more than 9,216 bytes)
Type of switching	Store and forward
Switching rate	100BASE-TX: 148,810 PPS 1000BASE-T: 1,488,095 PPS 2.5BASE-T: 3,720,238 PPS
Switched fabric	40 Gbps
Operating temperature	0 — 45 °C

Storage temperature	-10 — 60 °C
Humidity range	— 90 %
Dimensions (WxDxH)	190 x 120 x 30 mm
Color	Black
Cooling Fan	Non (air flow cooling without fan)
Power Adapter	12 V / 1.8 A

This is a Class B product. In-home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

Hereby Assmann Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below-mentioned manufacturer address.

www.assmann.com
Assmann Electronic GmbH
Auf dem Schüffel 3
58513 Lüdenscheid
Germany

Documents / Resources

DIGITUS DN-80230 8-Port Multi-Gigabit Switch [pdf] Installation Guide
DN-80230, 8-Port Multi-Gigabit Switch

References

- **A ASSMANN Electronic GmbH | Germany**