

“ A temporary secure interconnection solution for sensitive networks to facilitate remote maintenance of distant equipment without compromising on security.

DiagBox is an ideal complement to Exaion Gateway, but it can also be used for other hardware!

”

DATA SHEET
2023 Q4

DiagBox



DiagBox can be described as a secure switch connecting two distinct computer networks for a predetermined and limited duration, typically for the duration of a remote maintenance operation.

DiagBox houses two independent units integrated into a single 1U chassis.

Each unit controls the power-up of a dedicated built-in router.

When a DiagBox unit is:

- Deactivated: no communication between ports A B C is possible;
- Activated: these ports can communicate with each other.

Advanced router configuration capabilities are available (VPN servers, firewall, VLAN creation, DHCP...) to cater to a wide range of use cases.

Activation necessarily requires direct physical human intervention on the equipment. It involves entering a customizable secret code to prevent inadvertent activations. Remote activation is physically impossible.



USE CASES

Hardware such as network diodes all have the same weak point: upstream counter maintenance operations can only be done on-site!

Such constraints lead to increased costs for the client with trips, higher analysis costs, and additional delays in problem resolution.

DiagBox was initially designed to simplify the operational maintenance of Exaion Gateway; however, there are a multitude of other possible use cases with this device.



SPECIFICATIONS

Technical Features

Dimensions 19" 1U Chassis (444mm x 228mm x 44.5mm / 3kg)

Network Interfaces Per unit:
▪ 3x1Gbps for connection to various networks

Power Supply 12V 2A via an external power block or directly from Exaion Gateway

Operation

Class A2 (ASHRAE):
▪ 10-35°C (10-95°F) - 20-80% relative humidity
Calculated MTBF: 100,000 hours (11 years)