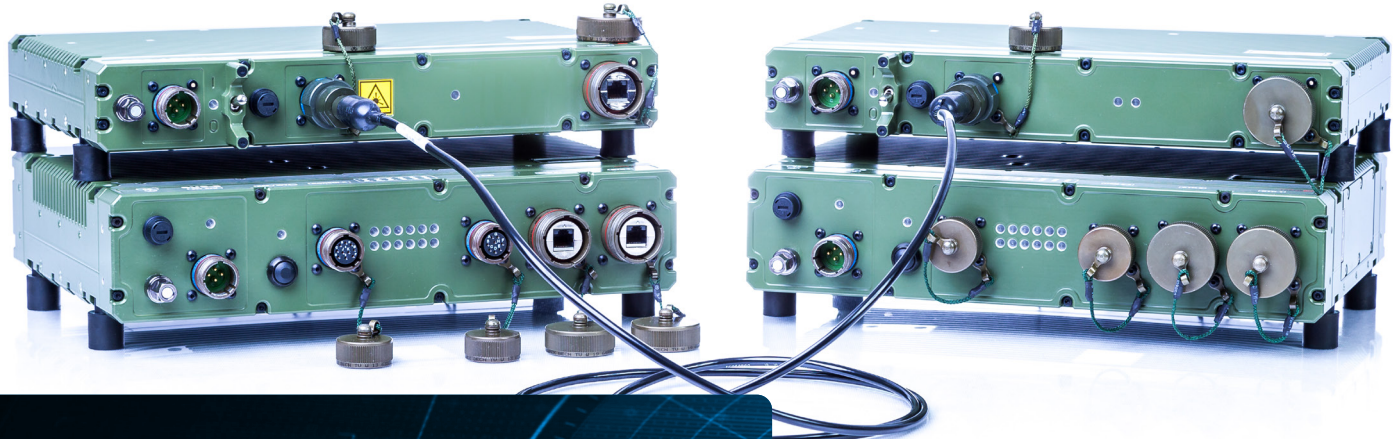




ZNO-50

Rugged Data Diode

Transmitter & Receiver Unit



Product Overview

The RUGGED ZNO-50 is a data diode device ensuring UNIDIRECTIONAL data flow between IT systems and/or networks (e.g. from different security domains).

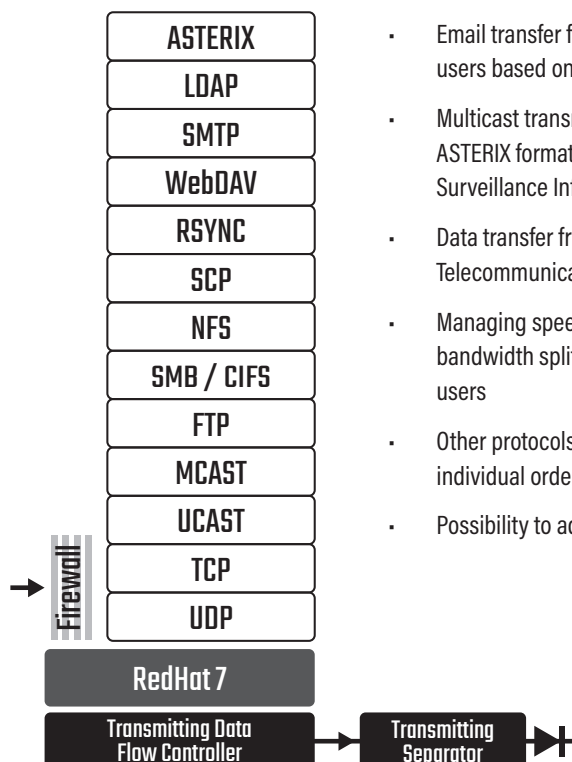
The RUGGED ZNO-50 is designed to protect information, including information classified as PL SECRET / NATO SECRET / EU SECRET.

Features

- Automatic replication of the system BLACK side files on the RED side (file permissions, location and properties are reproduced)
- Data stream transfer performed in real time, including sound and vision, transmitted in accordance with IP protocols (UDP and TCP) from BLACK network to RED network
- Email transfer from BLACK network to RED network users based on the SMTP protocol
- Multicast transmission and data transfer in the ASTERIX format (All-purpose Structured Eurocontrol Surveillance Information eXchange)
- Data transfer from AFTN network (Aeronautical Fixed Telecommunication Network)
- Managing speed of data transfer, load balancing, bandwidth split between different applications and users
- Other protocols and functions possible to develop for individual order
- Possibility to adapt to specific requirements

Capabilities

- Unidirectional data transfer
- Filtering of transmitted data
- Functions of data integrity ensuring and transmission reliability
- Audit and control functions
- Transfer of UDP, TCP, MULTICAST datagrams
- Files transfer (FTP/SFTP,SCP,SMB/CIFS, NFS, RSYNC etc.)
- E-mail transfer (SMTP)
- Transfer of ASTERIX-PL and Eurocontrol ASTERIX datagrams
- Integration with AD or LDAP controllers
- Transfer of serial protocols

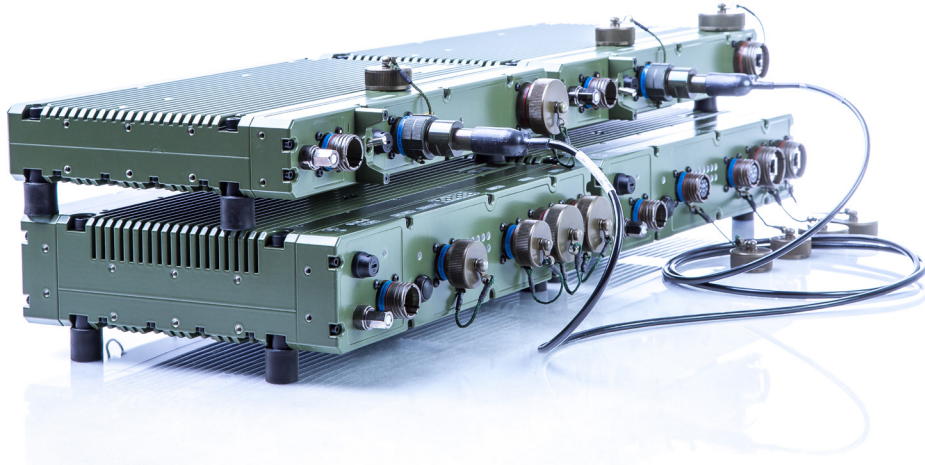


ZNO-50

Rugged Data Diode



Transmitter & Receiver Unit



THE **RUGGED** TRANSMITTER AND RECEIVER UNIT

intended for use in military and civilian objects especially with increased environmental requirements

Devices components of the kit are adapted for working during movement and intended to operate in any position.

Structure

- The RUGGED ZNO-50 is made of two one-way fibre-optic interfaces (separators) ensuring unidirectional data flow at the level of physical layer and two data flow controllers providing interfaces with the connected IT networks and/or systems.

Hardware specification

- Exporter and Importer units: RUGGED servers
- Certified RUGGED One Way Data Transfer Regulator SPS-1G/TX/RX-02 (1Gbps bandwidth)

Interfaces

- Gigabit Ethernet (2x1)
- RS232 (2x2)
- USB (2x4)

Software environment

- Operating system Red Hat Enterprise Linux 7

Quality Standards

- ISO 9001
- AQAP-2110
- AQAP-2210

Delivery

- Date of delivery 3-4 months
- Hardware fully equipped unit

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ISO 9001:2015
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Certificate of ICS
NCAGE
License of MOIA
FSC 1st Level Secret
FSC 1st Level NATO SECRET

