DYNACON USS class devices
DNC 55xx Series

The DNC 55xx Series was created to transform network communications, strengthen cybersecurity and redefine the performance of active network devices.

USS – Unified Security Servers – DYNACON switches. Built to transform your network into a hybrid, complementary communications system with full protection and monitoring.
The 55xx platform is part of the 5000 family.

The most important features of the platform

- High performance based on fast x86 Intel Xeon processors, large RAM memory – 32 GB installed by default and efficient Intel controllers, allow for flexible and stable network operation.

- Modular design with the possibility of installation, in addition to communication ports, specialized functions including LTE terminals, additional storage, hardware modules supporting image and video analytics.

- Industrial modules available with support for IEEE 1588 v1 and v2 PTP/802.1AS.

- Firewall operating at layers 7, 4, 3 and 2, allowing for the extension of industrial security to non-IP-based traffic.

- Dynacon IDCS-AIN, a modern enterprise operating system with support for programmability, application hosting, telemetry. The system is equipped with a full range of switch, router, ZBFW, IPS/IDS, monitoring and security configuration options, bringing a new quality to enterprises.

- Equipping the platform with the ARTEMIS extraction, inspection and monitoring subsystem ensures that there is no need to use additional monitoring devices. The 5500 platform simultaneously works as active network devices and at the same time ensures network security and monitoring. Integration with XDR, EDR, IDS, SIEM, SOAR class master systems brings the platform to a higher level of flexibility and network security architecture.

- Four slots for replaceable modules. Possibility of building the platform with up to 32 1Gb/s communication ports and 4 10 Gb/s ports.

- Additional space for a PCI-E expansion card.

The availability of PoE modules with dedicated power supply increases the security of the entire platform in the event of failure of devices connected to PoE ports or installation errors. Support for MPLS allows the platform to be used in high-performance solutions both inside and outside the infrastructure.

Benefits

1 Automating data flow monitoring and anomaly control on Dynacon switches saves time and significantly accelerates the implementation of cybersecurity solutions, saving money and reducing the impact on infrastructure.

2 Detailed visibility based on a deep analytics ARTEMIS profiler allows for quick implementation of change management.

3 The system equipped with API and SDN tools enables management in an automated, distributed model, reducing administrators' work time to the necessary minimum. Implementation scenarios based on end-to-end communication techniques allow you to focus on important administrative and security tasks, delegating the configuration of individual devices to the central system.

4 Aggregating correlator and preprocessor functions in one device allows for minimizing potential points of failure.

5 Local analytics and data storage allows for a significant reduction in the amount of monitored data transferred to central systems. Local space for data storage with a maximum capacity of 4 TB.

6 Basic license covering all USS functionalities, including the profiler with traceability module and the IDS system. Basic license covering all USS functionalities, including the ARTEMIS profiler with traceability module and the IDS system. It is possible to purchase additional warranty periods for the equipment.

ARIC NDS 5520	Order number
• 12 mths NBD extended warranty • 24 mths standard warranty • 12 mths - Software Assurance and Security Pack • 32 GB RAM, 480 GB Storage, 2 x Power Adapter	DNC5521-4T-A0B0C0D0-32048-0E DNC5522-4X-A0B0C0D0-32048-0E
12 mths NBD warranty 7x24	DNC5520-HG-NBD-1Y
Software assurance 12 mths	DNC5520-SA-ONL-1Y
Security Pack 12 mths	DNC5520-SP-ONL-1Y
Module 2 x 100 Gb/s QSFP28	DNC-IHM204-1
Module 8 x 10 Gb/s SFP28	DNC-IXM803A
Module 8 x 1 Gb/s SFP	DNC-ISM802A
Module 8 x 1 Gb/s RJ45 with Bypass	DNC-IGM806A
Module 8 x 1 Gb/s RJ45 without Bypass	DNC-ISM802B

NBD - Next Business Day

The 5500 platform is modular and allows you to use flexible and high-performance uplinks and uplinks in your network. 100 Gb/s, 40 Gb/s, 25 Gb/s, 10 Gb/s, multigigabit and 1Gb/s.

The enormous performance of specialized Intel Xeon processors allows for effective work in a hybrid communication environment while ensuring network security and monitoring in real time. Hardware acceleration for encryption and compression – QAT. Unprecedented controller performance (depending on the module) ensured up to 400 Gb/s for symmetric keys, up to 100 KOps/s for public keys and up to 160 Gb/s compression. Command-line management is flexible and easy for any network engineer. However, when managing multiple firewalls that protect your network in ZBFW mode, you can use a dedicated central application that makes this task easier while providing information about the results of the ARTEMIS profiler and IDS/IPS system.

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