DYNACON USS class devices
DNC 6xxx series

USS – Unified Security Servers - DYNACON switches. Built to transform your network into a hybrid, complementary communications system with full protection and monitoring.

The modular 6xxx platform allows you to use flexible and high-performance access and uplink links in your network - 100 Gb/s, 40 Gb/s, 25 Gb/s, 10 Gb/s, multigigabit and 1 Gb/s.

The most important features of the platform

- High performance based on fast x86 processors, large RAM memory (32 GB installed by default) and efficient Eth 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 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 ARTEMIDA extraction, inspection and monitoring subsystem ensures that there is no need for additional monitoring devices. The 6xxx 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.

- Additional space for a replaceable module. Possibility of building the platform with up to 66 communication ports.

- Additional space for an expansion card.

The built-in rule mechanism, Traceability class, allows for an innovative way to monitor virtually every parameter sent over the network and activate an alarm when the minimum and maximum values are exceeded. The traceability system coupled with a profiler provides an efficient tool for monitoring anomalies and distortions in the operating parameters of your OT and IT environment.

The platform is fully compatible with SDN - Software Defined Network tools, which can free overloaded OT and IT services from a number of configuration activities and allow staff to build communication and security levels more effectively.

Benefits

1 Automated data flow monitoring and anomaly control on Dynacon switches.

2 Detailed visibility based on a deep analytics profiler.

3 The system is equipped with API and SDN tools.

4 Aggregation of correlator and preprocessor functions.

5 Local analytics and data storage.

6 Simplified license with the option of purchasing it for subsequent periods.

Parameter\Model	6210-1	6210-2
RAM	Up to 640 GB	Up to 640 GB
Storage	Up to 4 TB	Up to 4 TB
Built-in ports	2 U W 438 mm x D 600 mm x H 88 mm	2 U W 438 mm x D 600 mm x H 88 mm
Dimensions	1 U W 438 mm x D 431 mm x H 44 mm	1 U W 438 mm x D 431 mm x H 44 mm
Installation	railway RACK 19"	railway RACK 19"
Modul slots number	8	1
Maximum number of ports	66	66
Console	1 x RJ45	1 x RJ45
Watchdog	YES	YES
Internal RTC	YES	YES
TPM	YES (optional)	YES (optional)
Power supply	850 W + 1 (in total 1800 W)	300 W + 1 (in total 600 W)
Ventilation	Active 2 fans - HotSwap	Active 2 fans - HotSwap
Input voltage of power supplies	AC 100V~240V @47~63Hz	AC 100V~240V @47~63Hz
Certificates	CE/FCC Class A, UL	CE/FCC Class A, UL
Compliance	IEC 62443	IEC 62443

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The enormous performance of specialized 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 K Ops/s for public keys and up to 160 Gb/s compression.

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