



ООО «НАГ»
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Коммутатор Arista DCS-7050SX-128-F

DCS-7050SX-128-F

Тип коммутатора

Тип коммутатора	Управляемый L3
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Интерфейсы

Тип основных портов	10GigabitEthernet SFP+
Интерфейсы 10GBase-X SFP+	96
Интерфейсы 40GBase-X	8
Консольный порт	RS232
Management порт	1000BaseT
Количество основных портов	48
Тип Uplink портов	40GigabitEthernet QSFP+

L2 функционал

Количество VLAN	4096
Размер таблицы MAC адресов	288000
Количество правил ACL	4000
Протоколы L2 резервирования	PVST; STP; RSTP; MSTP
Агрегирование портов	LACP, MLAG
Количество multicast групп	288000

L3 функционал

Размер таблицы маршрутизации	144000
Протоколы маршрутизации	RIP; Static route; IS-IS; PIM; BGP; OSPF
Поддержка MPLS	Да

Питание

Допустимое напряжение питания	100-240V AC
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Доп. описание

Performance

7050SX-128: 96 x 1/10GbE and 8x 40GbE



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7050SX-96: 48x 1/10GbE and 12x 40GbE

7050SX-72: 48x 1/10GbE and 6x 40GbE

7050SX-72Q: 48x 1/10GbE and 6x 40GbE

7050SX-64: 48x 1/10GbE and 4x 40GbE

Up to 2.56 terabits per second

Up to 1.44 billion packets per second

Wire speed L2 and L3 forwarding

Latency from 550ns

Data Center Optimized Design

Typical power under 2W per 10GbE port for lower cost of ownership

Over 94% efficient power supplies

1+1 redundant & hot-swappable power

N+1 redundant & hot-swappable fans

Front-to-rear or rear-to-front cooling

Tool less rails for simple installation

Cloud Networking Ready

VXLAN and VM Tracer

OpenFlow, DirectFlow and eAPI

288K MAC entries

144K IPv4 Routes

208K IPv4 Host Routes

12MB Dynamic Buffer Allocation

Resilient Control Plane

High Performance x86 CPU

Up to 8GB DRAM

4GB Flash

User applications can run in a VM

Built-in Solid State Storage

Solid State Drive option

Store logs and data captures

Leverage linux tools with no limitations

Advanced Provisioning & Monitoring

Zero Touch Provisioning (ZTP)

LANZ for microburst detection

DANZ Advanced Mirroring for visibility

sFlow

Self-configure and recover from USB



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Arista Extensible Operating System

- Single binary image for all products
- Fine-grained truly modular network OS
- Stateful Fault Containment (SFC)
- Stateful Fault Repair (SFR)
- Full Access to Linux shell and tools
- Extensible platform - bash, python, C++