Cisco components

FlexPod

NetApp
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Table of Contents

Cisco components 1
Cisco UCS B-Series blade server options 1
Cisco UCS C-Series rack server options 1
Cisco Nexus switches 2
Cisco Support licensing options 2

Cisco components

Cisco is a substantial contributor to the FlexPod Express design and architecture; it contributes the compute and networking layers of the solution. This section describes the Cisco UCS and Cisco Nexus components that are available for FlexPod Express.

Cisco UCS B-Series blade server options

Cisco UCS B-Series blades currently supported in the Cisco UCS Mini platform are B200 M5 and B420 M4. Other blades will be listed in the following table as they become supported in the Cisco UCS Mini platform.

Cisco UCS B-Series server	Part number	Technical specifications
Cisco UCS B200 M5	UCSB-B200-M5	https://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-b200-m5-blade-server/model.html
Cisco UCS B200 M4	UCSB-B200-M4	http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/b200m4-specsheet.pdf
Cisco UCS B420 M4	UCSB-B420-M4	http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-series-blade-servers/b420m4-spec-sheet.pdf

Cisco UCS C-Series rack server options

Cisco UCS C-Series blades are available in one-rack and two-rack unit (RU) varieties, with various CPU, memory, and I/O options. The part numbers listed in the following table are for the base server; they do not include CPUs, memory, disk drives, PCIe cards, or the Cisco FEX. Multiple configuration options are available and supported in FlexPod.

Cisco UCS C-Series rack server	Part number	Technical specifications
Cisco UCS C220 M4	UCSC-C220-M4S	http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c220m4-sff-spec-sheet.pdf
Cisco UCS C240 M4	UCSC-C240-M4S	http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c240m4-sff-spec-sheet.pdf
Cisco UCS C460 M4	UCSC-C460-M4	http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c460m4_specsheet.pdf

Cisco Nexus switches

Redundant switches are required for all FlexPod Express architectures.

The FlexPod Express with NetApp AFF or FAS architecture is built with the Cisco Nexus 31108 switch. FlexPod Express with the Cisco UCS Mini (Cisco UCS- managed) architecture is validated by using the Cisco Nexus 3524 switch. This configuration can also be deployed with a standard switch.

The FlexPod Express with E-Series can be deployed with a standard switch.

The following table lists the part numbers for the Cisco Nexus series chassis; they do not include additional SFP or add-on modules.

Cisco Nexus Series switch	Part number	Technical specifications
Cisco Nexus 3048	N3K-C3048TP-1GE	http://www.cisco.com/c/en/us/products/collateral/switches/nexus-3000-series-switches/data_sheet_c78-685363.html
Cisco Nexus 31108	N3K-C31108PC-V	http://www.cisco.com/c/en/us/products/switches/nexus-31108pc-v-switch/index.html
Cisco Nexus 9396	N9K-C9396PX	http://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/datasheet-c78-729405.html
Cisco Nexus 3172	N3K-C3172	https://www.cisco.com/c/en/us/products/collateral/switches/nexus-3000-series-switches/data_sheet_c78-729483.html

Cisco Support licensing options

Valid SMARTnet support contracts are required on all Cisco equipment in the FlexPod Express architecture.

The licenses required and the part numbers for those licenses should be verified by your sales representative because they can differ for different products.

The following table lists the Cisco support licensing options.

Cisco Support licensing	License guide
SMARTnet 24x7x4	http://www.cisco.com/web/services/portfolio/product-technical-support/smartnet/index.html

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