



FortiGate-5000 - Hardware Compatibility Guide

FortiOS 6.4.1 FortiController 5.2.10

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FEEDBACK

Email: techdoc@fortinet.com



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Change log

Date	Change description
February 24, 2021	Added a note about why the FortiGate-5060 does not support the FortiGate-5001E.
July 9, 2020	Updated for FortiOS 6.4.1 and FortiController 5.2.10.
July 9, 2019	Updated for FortiOS 6.2.
August 11, 2017	Added the FortiGate-5001E and FortiGate-5001E1.
August 24, 2016	Corrected a few typos.
November 5, 2015	First Version.

FortiGate-5000 chassis compatibility

The following table lists the currently available FortiGate-5000 series chassis and the FortiGate and FortiController boards that are compatible with each. A FortiGate or FortiController board is supported in a chassis if the chassis can supply enough power and cooling for the board. Also taken into account is the fabric backplane speed of the chassis.

Chassis	Features	Supports
FortiGate-5144C	Available power per slot: 400W Heat dissipation per slot: 1535 BTU/hr Fabric Backplane speed: 40Gbps Capacity: 14 slots Height: 14U, 19-inch rack mount	All FortiGate, FortiSwitch, and FortiController boards.
FortiGate-5140B	Available power per slot: 300W Heat dissipation per slot: 1023 BTU/hr Fabric Backplane speed: 10Gbps Capacity: 14 slots Height: 14U, 19-inch rack mount	FortiGate-5001C, FortiGate-5101C, FortiGate-5001B, FortiController-5103B, FortiSwitch-5003B, FortiSwitch-5203B FortiGate-5001D and FortiController-5902D (but only with 10Gbps fabric backplane support)
FortiGate-5060	Available power per slot: 300W Heat dissipation per slot: 1023 BTU/hr Fabric Backplane speed: 10Gbps Capacity: 6 slots Height: 5U, 19-inch rack mount	FortiGate-5001C, FortiGate-5101C, FortiGate-5001B, FortiController-5103B, FortiSwitch-5003B, FortiSwitch-5203B FortiGate-5001D and FortiController-5902D (but only with 10Gbps fabric backplane support)*

* The FortiGate-5060 does not support the FortiGate-5001E because, even though the FortiGate-5060 can supply enough power for normal operation of the FortiGate-5001E, the FortiGate-5060 does not supply enough power to safely handle power surges or other power irregularities.

FortiGate and FortiController board hardware details

The following table lists the interfaces, functions, power and cooling requirements of the currently available FortiGate and FortiController boards.

FortiOS 6.4.1 supports the following FortiGate boards ([FortiOS 6.4.1 release notes](#)):

- FortiGate-5001D
- FortiGate-5001E
- FortiGate-5001E1

FortiController 5.2.10 supports the following FortiController boards ([FortiController 5.2.10 release notes](#)):

- FortiController-5103B
- FortiController-5903C
- FortiController-5913C

ATCA board	Interfaces	Function	Power Used (W)*	Heat Dissipation (BTU/hr)*
FortiGate-5001D	Front Panel: 2 x 40 Gbps, 2 x 10 Gbps, or split into 8 x 10 Gbps Fabric: 40 Gbps or 10Gbps	FortiOS network security	Max: 226 Ave: 189	774
FortiGate-5001E FortiGate-5001E1	Front Panel: 2 x 40 Gbps, 2 x 10 Gbps, or split into 8 x 10 Gbps Fabric: 40 Gbps or 10Gbps	FortiOS network security	Max: 278 Ave: 250	948
FortiController-5103B	Front Panel: 8 x 10 Gbps, or 8 x 1 Gbps Fabric: 10 Gbps or 1 Gbps	Session-aware load balancing Clustering (SLBC) and FGCP HA	Max: 255 Ave: 213	754
FortiController-5903C	Front Panel: 4 x 40 Gbps or split into 16 x 10 Gbps Fabric: 40 Gbps or 10 Gbps	Session-aware Load Balancing Clustering (SLBC) and FGCP HA	Max: 400 Ave: 250	1360
FortiController-5913C	Front Panel: 2 x 100 Gbps or split into 20 x 10 Gbps Fabric: 40 Gbps or 10 Gbps	Session-aware Load Balancing Clustering (SLBC) and FGCP HA	Max: 400 Ave: 280	955
*Approximate values, see product datasheets for official values.				



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