FortiGate-5000 - Hardware Compatibility Guide

FortiOS 7.0.0 FortiController 5.2.11

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Change log

Date	Change description
April 26, 2021	Added information about support for running FortiGate-5001E and 5001E1 boards in a FortiGate-5060 chassis. Removed the note from the February 24, 2021 update.
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-5001E and 5001E1 with no fabric or base backplane switching support. Requires special power configuration, see the FortiGate-5060 Chassis Guide for details. 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 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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