



FortiBridge® 3000-Series

Ensuring availability of network resources



FortiBridge 3000-Series

FortiBridge 3002S, 3002L, 3004S, 3004L, 3041S, 3042S and 3004SL

Ensuring availability of network resources

The all-new FortiBridge 3000-series family of bypass appliances enables network security and visibility in scenarios that demand the highest level of network availability and uptime. FortiBridge allows fail-to-wire bypass functionality to be quickly and easily added to an existing FortiGate or other network device deployment.

In the case of a hardware or software failure or any other device outage, the FortiBridge will directly bridge the WAN-to-LAN segments to ensure unimpeded network connectivity and availability around the offline device. When the FortiBridge appliance detects that functionality is restored, it can automatically revert traffic back through the FortiGate or other network device.

FortiBridge appliances can also be deployed in bypass mode by default to ensure maximum network throughput during normal conditions, but re-route traffic during periods of heightened threat activity to a FortiGate or other network security device.

Various FortiBridge models provide flexibility to support a range of network configurations, including support for high-speed 10 GE or 40 GE ports, short-range or long-range transceivers, and bypass functionality for up to 4 network segments.

Key Features & Benefits

Fail-to-Wire Bypass	Maximizes network uptime by automatically rerouting traffic in the event of a power outage or any other type of event that would cause an inline security device to degrade the availability of the network segment.
Standalone 1 RU Appliance	Enables you to add bypass functionality to any existing inline security system, including FortiGate® consolidated security systems.
Remote Configuration and Monitoring	Enables you to monitor and control the bypass status of network segments remotely, with the ability to view mode of operation, manually switch the appliance into bypass or normal operation mode, and configure thresholds for automatic bypass fail-to-wire.

FortiBridge allows fail-to-wire bypass functionality to be quickly and easily added to an existing FortiGate or other network device deployment.

FortiBridge Benefits

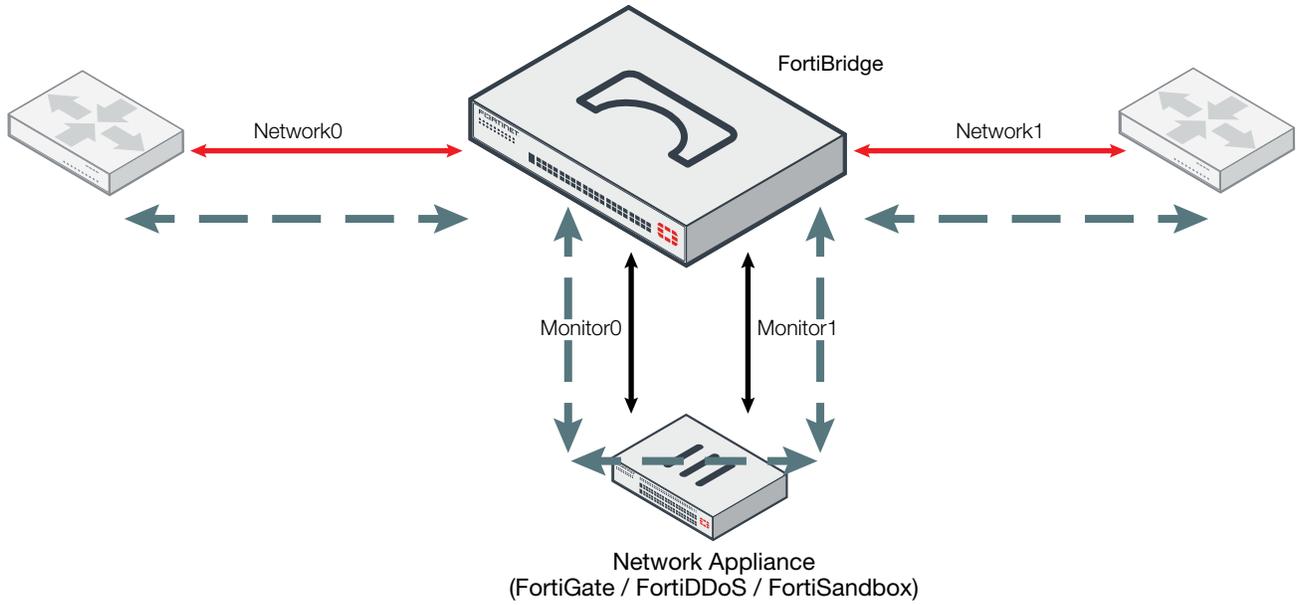
The FortiBridge product family protects network availability

- Protects against FortiGate failures
- Fail-to-wire ensures network connectivity
- Monitor and control bypass status remotely

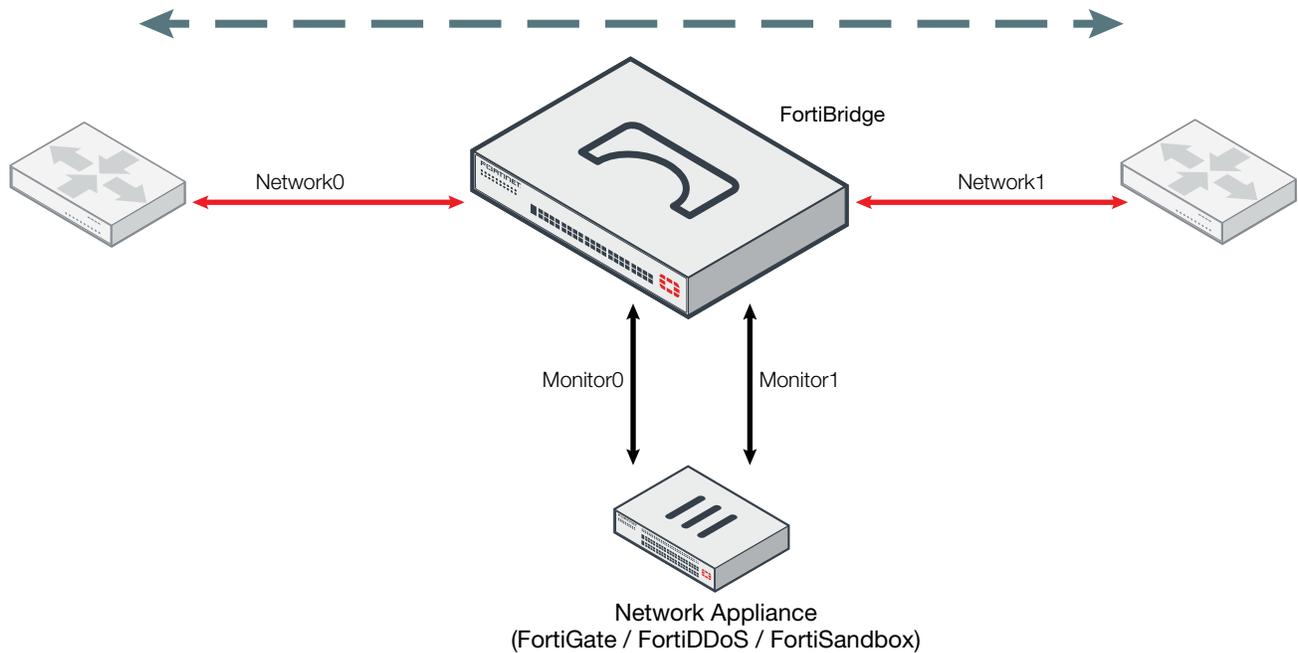


DEPLOYMENT

Traffic Inline Mode



Traffic Bypass Mode



SPECIFICATIONS

	FBG-3002S	FBG-3002L	FBG-3004S	FBG-3004L
Hardware Specifications				
Number of Modules	1x 10 Gbps	1x 10 Gbps	2x 10 Gbps	2x 10 Gbps
Number of Segments	2	2	4	4
10/100/1000 (Copper, RJ45)	0	0	0	0
SFP+ Interfaces (10 GE)*	4	4	8	8
LC Interfaces (10 GE)	4	4	8	8
QSFP+ Interfaces (40 GE)	0	0	0	0
MPO Connector (40 GE)	0	0	0	0
Management Interfaces (RS-232)	1	1	1	1
Console Interfaces (RJ45)	1	1	1	1
USB Interfaces	1	1	1	1
Modem	0	0	0	0
Link Protection	2x 10 Gbps segments	2x 10 Gbps segments	4x 10 Gbps segments	4x 10 Gbps segments
* 10 GE interface also capable of 1x Gbps operation				
Environment				
Power Consumption (Maximum)	89 W	88 W	105 W	102 W
Heat Dissipation	334 BTU/h	331 BTU/h	394 BTU/h	383 BTU/h
Power Supply	100V AC	100V AC	100V AC	100V AC
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-4–149°F (-20–65°C)	-4–149°F (-20–65°C)	-4–149°F (-20–65°C)	-4–149°F (-20–65°C)
Humidity	10–90% RH non-condensing	10–90% RH non-condensing	10–90% RH non-condensing	10–90% RH non-condensing
Mean Time Between Failures (MTBF)	28 years	28 years	28 years	28 years
Compliance				
Regulatory Compliance	FCC Part 15 Class A, CE			
Dimensions				
Height x Width x Length (inches)	17.12 x 23 x 1.73			
Height x Width x Length (mm)	435 x 586 x 44			
Weight	24.03 lbs (10.9 kg)	24.03 lbs (10.9 kg)	25.79 lbs (11.7 kg)	25.79 lbs (11.7 kg)
Rack Mountable	yes	yes	yes	yes



FortiBridge 3002S



FortiBridge 3002L



FortiBridge 3004S



FortiBridge 3004L

CLI Reference:

<http://docs.fortinet.com/d/fortibridge-v4-cli-ref>

Admin Guide:

<http://docs.fortinet.com/fortibridge/admin-guides>

Quick Start Guide:

<http://docs.fortinet.com/fortibridge/hardware>

SPECIFICATIONS

	FBG-3041S	FBG-3042S	FBG-3004SL
Hardware Specifications			
Number of Modules	1x 40 Gbps	2x 40 Gbps	2x 10 Gbps
Number of Segments	1	2	4
10/100/1000 (Copper, RJ45)	0	0	0
SFP+ Interfaces (10 GE)*	0	0	8
LC Interfaces (10 GE)	0	0	8
QSFP+ Interfaces (40 GE)	2	4	0
MPO Connector (40 GE)	2	4	0
Management Interfaces (RS-232)	1	1	1
Console Interfaces (RJ45)	1	1	1
USB Interfaces	1	1	1
Modem	0	0	0
Link Protection	1x 40 Gbps segments	2x 40 Gbps segments	4x 10 Gbps segments
* 10 GE interface also capable of 1x Gbps operation			
Environment			
Power Consumption (Maximum)	90 W	90 W	102 W
Heat Dissipation	338 BTU/h	372 BTU/h	382 BTU/h
Power Supply	100V AC	100V AC	100V AC
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-4–149°F (-20–65°C)	-4–149°F (-20–65°C)	-4–149°F (-20–65°C)
Humidity	10–90% RH non-condensing	10–90% RH non-condensing	10–90% RH non-condensing
Mean Time Between Failures (MTBF)	28 years	28 years	28 years
Compliance			
Regulatory Compliance	FCC Part 15 Class A, CE	FCC Part 15 Class A, CE	FCC Part 15 Class A, CE
Dimensions			
Height x Width x Length (inches)	17.12 x 23 x 1.73	17.12 x 23 x 1.73	17.12 x 23 x 1.73
Height x Width x Length (mm)	435 x 586 x 44	435 x 586 x 44	435 x 586 x 44
Weight	24.03 lbs (10.9 kg)	24.03 lbs (10.9 kg)	25 lbs (11.3 kg)
Rack Mountable	yes	yes	yes



FortiBridge 3041S



FortiBridge 3042S



FortiBridge 3004SL

ORDER INFORMATION

Product	SKU	Description
FortiBridge 3002S	FBG-3002S	FortiBridge 3002S (Short Range), power failure bypass functionality for two (2) network segments. 4x 10G SFP+, 4x LC, 1x Console Port, Dual Power Supply.
FortiBridge 3002L	FBG-3002L	FortiBridge 3002L (Long Range), power failure bypass functionality for two (2) network segments. 4x 10G SFP+, 4x LC, 1x Console Port, Dual Power Supply.
FortiBridge 3004S	FBG-3004S	FortiBridge 3004S (Short Range), power failure bypass functionality for four (4) network segments. 8x 10G SFP+, 8x LC, 1x Console Port, Dual Power Supply.
FortiBridge 3004L	FBG-3004L	FortiBridge 3004L (Long Range), power failure bypass functionality for four (4) network segments. 8x 10G SFP+, 8x LC, 1x Console Port, Dual Power Supply.
FortiBridge 3041S	FBG-3041S	FortiBridge 3041S (Short Range), power failure bypass functionality for one (1) network segment. 4x 40G (2 QSFP+ and 2 MPO), 1x Console Port, Dual Power Supply.
FortiBridge 3042S	FBG-3042S	FortiBridge 3042S (Short Range), power failure bypass functionality for two (2) network segments. 8x 40G (4 QSFP+ and 4 MPO), 1x Console Port, Dual Power Supply.
FortiBridge 3004SL	FBG-3004SL	FortiBridge 3004SL (SR and LR combo), power failure bypass functionality for four (4) network segments. 8x 10G SFP+, 8x LC, 1x Console Port, Dual Power Supply.



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