

FortiBridge® -2002/2002F

Ensuring availability of network resources



You are faced with the challenge of securing your network while also ensuring that it is always available. This could mean that you are forced to choose network availability over ensuring that all traffic is inspected for malicious activity. You are already using high availability features of the security infrastructure, where a system fails over to either an active or standby unit. While this can reduce the risk of a network outage and still providing security services, to further reduce the risk of a network outage, additional steps have to be taken. To preserve availability in the event of a power failure or a device malfunction, bypassing the device altogether with a fail-to-wire solution can ensure network continuity at times when security cannot be provided.

The FortiBridge-2000 series of appliances provides bypass functionality to FortiGate multi-threat security systems. The FortiBridge-2002 appliance provides eight 10/100/1000 interfaces and bypass functionality for two network segments. The FortiBridge-2002F provides four SFP-based GbE interfaces, four fiber (LC, 850nm) GbE interfaces, and bypass functionality for two network segments. Operating in transparent mode during normal operation, both appliances automatically bridge network traffic in the event of a system failure or power outage to ensure mission-critical network continuity.

FortiGate Benefits

The FortiBridge product family protects network availability

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

FortiBridge Features and Benefits

FortiBridge-2002 Front and Back



Fail-to-Wire Bypass

Maximizes network uptime by automatically re-routing traffic in the event of a power outage or any other type of event that would cause an in line security device to degrade the availability of the network segment.

Standalone 1-RU appliance

Enables you to add bypass functionality to any existing in line security system, including FortiGate® multi-threat security systems.

FortiBridge-2002F Front and Back

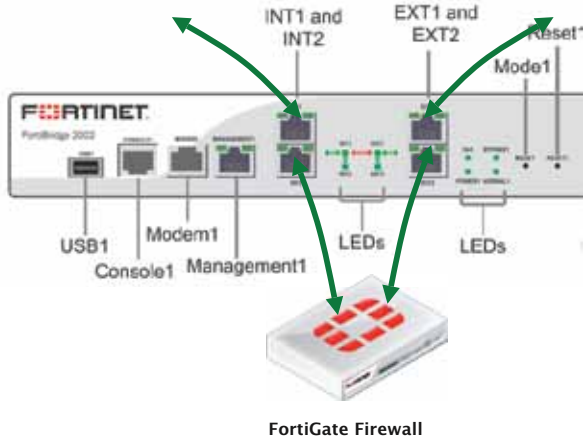


Remote configuration and monitoring

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

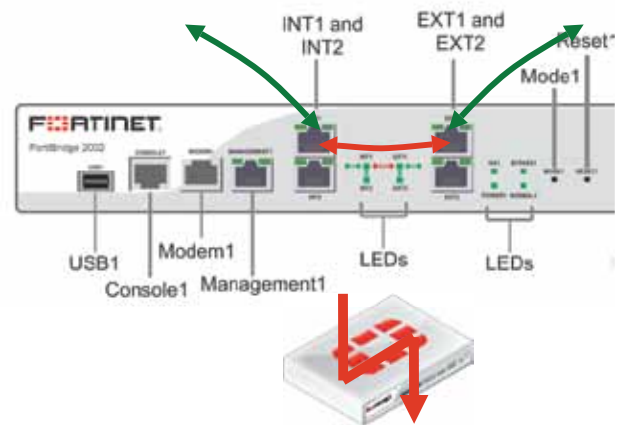
FortiBridge in Normal Mode

In normal operation of the FortiBridge, data flows from the Internal ports of the FortiBridge to the Internal port of the FortiGate unit. The traffic flows from the FortiGate unit through the External ports of the FortiBridge unit to the external network.



FortiBridge in Bypass Mode

FortiBridge enters Bypass Mode when traffic failure is detected or power loss occurs (zero power fail open). The INT2 and EXT2 ports are directly connected mechanically. Traffic between Internal and External interfaces continues to flow.



Technical Specifications	FortiBridge-2002	FortiBridge-2002F
Hardware Specifications		
10/100/1000 (Copper, RJ-45)	8	0
SFP / LC Interfaces	0	4
LC Interfaces	0	4
Modem Interfaces	2	2
USB Interfaces	2	2
Link Protection	2 Gbps	2 Gbps
Dimensions		
Height x Width x Length (in)	1.75(H) x 17.4(L) x 11.85(D)	
Height x Width x Length (cm)	4.4(H) x 44.2(L) x 30.1mm(D)	
Weight	3.8 kg (8.4 lb)	
Rack Mountable	Yes	

	FortiBridge-2002	FortiBridge-2002F
Environment		
Power Required	100-240 VAC, 50-60 Hz, 0.8 Amp max	
Power Consumption (AVG)	28W	22W
BTU	96 BTU	75 BTU
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	
Storage Temperature	-13 to 158 deg F (-25 to 70 deg C)	
Humidity	5 to 95% non-condensing	
Compliance & Certification		
Compliance	FCC Class A Part 15, / CE Mark	
Certification	ICSA Labs: Firewall, Antivirus, IPSec VPN, SSL VPN, Intrusion Prevention	

Ordering Info	SKU
FortiBridge-2002, power failure bypass functionality for two network segments. 8 RJ45 10/100/1000, 2 RJ45 Management Ports, Dual Power Supply, Dual CPU	FB02002
FortiBridge-2002F, power failure bypass functionality for two network segments. 4 1G SFP, 4 1G LC, 2 RJ45 Management Ports, Dual Power Supply, Dual CP, includes 4 SR SFP transceivers	FB-2002F

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