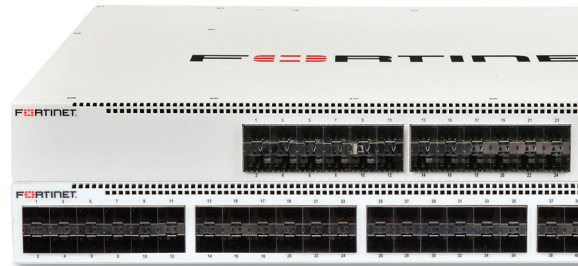




FortiSwitch™ -1024D/1048D

Data Center Switches



FortiSwitch Data Center switches deliver outstanding throughput, resiliency and scalability for organizations with high performance data center network requirements. They are ideal for Top of Rack server or firewall aggregation applications, as well as enterprise network core or edge deployments, where high performance 10 GE and 40 GE is required. Purpose-built to meet needs of today's bandwidth intensive data centers and enterprise networks, FortiSwitch Data Center Switches deliver high-performance with a low Total Cost of Ownership.

High-performance and resilient managed data center switch

The FortiSwitch-1024D and 1048D switches come in a 1 RU form factor, equipped with dual hot swappable power supplies to maximize network uptime. With 10 GE access ports and a high-throughput backplane, the FortiSwitch Data Center Switches satisfy the Top of Rack server or firewall aggregation performance requirements of today's virtualization centric data centers.

Advanced Link Aggregation with 802.11ad and Link Aggregation Control Protocol provide increased uplink, server aggregation, or firewall aggregation throughput. Other advanced switch capabilities, such as large MAC address tables, jumbo frame support and port security, are standard features.

The high speed switching fabric is also well suited to enterprise network core or backbone network installations. FortiSwitch Data Center Switches are a future-proof investment, enabling 1 GE or 10 GE to be deployed today, while enabling the upgrade to 40 GE in the future.

Key Features & Benefits

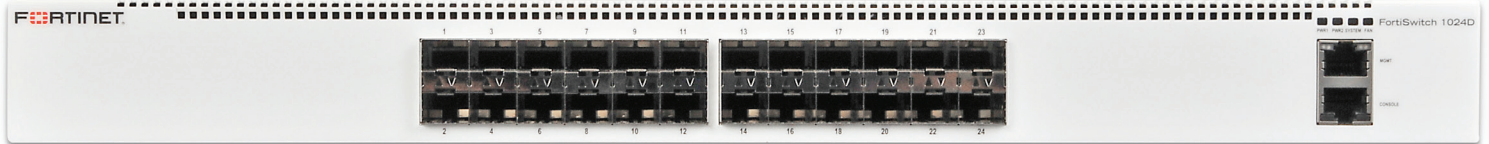
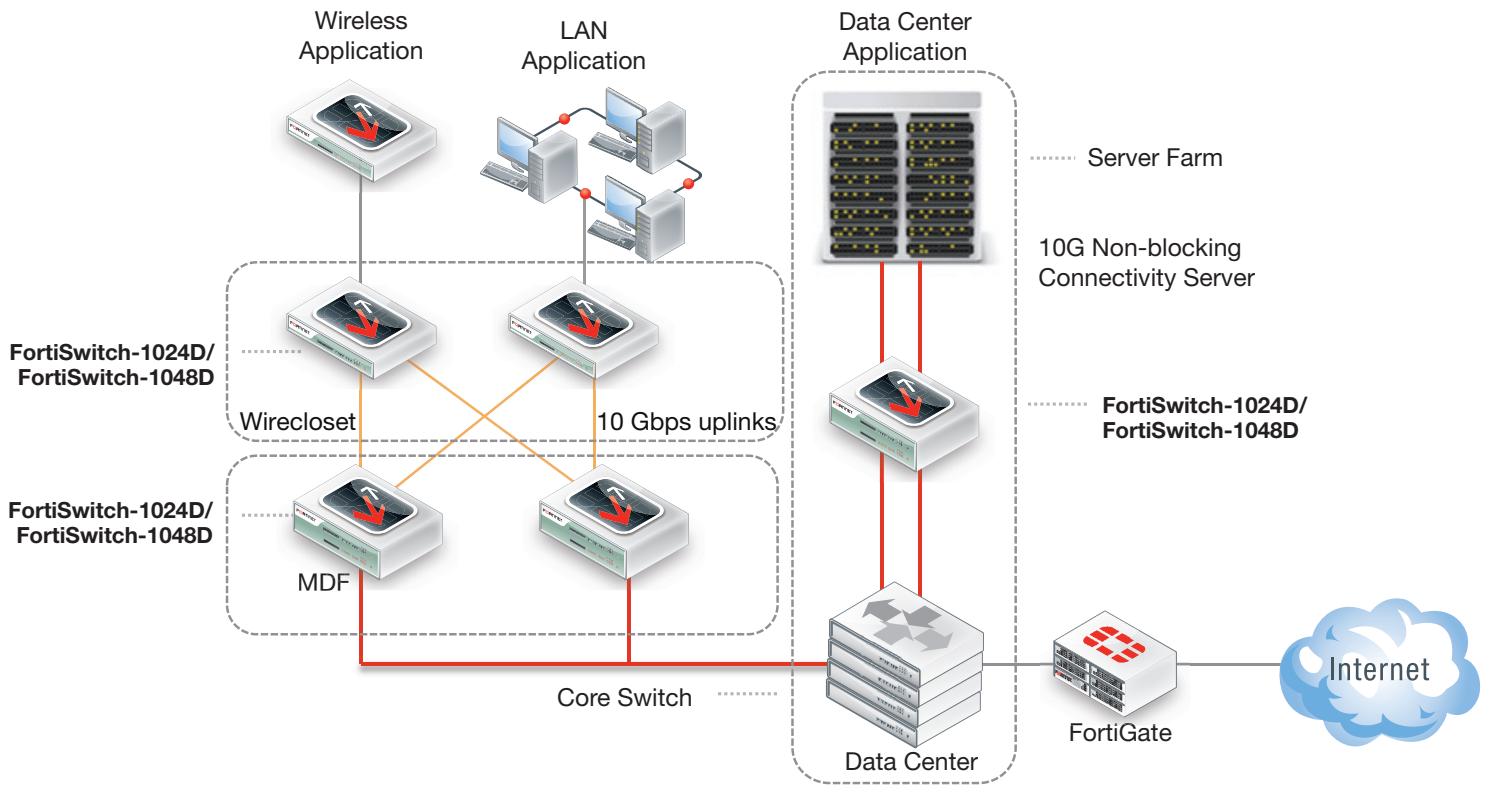
10 GE Capability	Future-proofed 10 GE to satisfy the bandwidth requirements of intensive data center and network core applications.
Dual Power Supply Units	Maximizes network availability by eliminating the downtime associated with single power supplies.
Web and CLI Management	Configuration and visibility into the network is made simple via a web-based interface or CLI.

Highlights

- High capacity switch suitable for Top of Rack or enterprise network deployments.
- Maximum availability through dual hot swappable power supplies.
- Simple management via a web-based or command line interface.
- Switch security features protect vulnerable infrastructure without adding latency.
- 1 GE or 10 GE access ports, in a compact 1 RU form factor.
- 40 GE capability on the FortiSwitch-1048D.



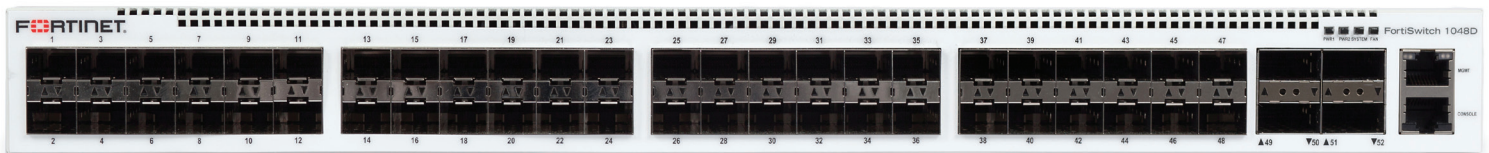
FortiSwitch-1024D/1048D Deployment Example



FortiSwitch-1024D — front



FortiSwitch-1024D — back



FortiSwitch-1048D — front



FortiSwitch-1048D — back

FEATURES

	FORTISWITCH-1024D	FORTISWITCH-1048D
Layer 2		
Jumbo Frames	Yes	Yes
IEEE 802.1D MAC Bridging/STP	Yes	Yes
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)	Yes	Yes
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)	Yes	Yes
IEEE 802.1p Mapping to Priority Queue	No	No
IEEE 802.1Q VLAN Tagging	Yes	Yes
IEEE 802.3ad Link Aggregation with LACP	Yes	Yes
IEEE 802.1AX Link Aggregation	Yes	Yes
IEEE 802.3x Flow Control and back-pressure	Yes	Yes
IEEE 802.3u 100Base-TX	No	No
IEEE 802.3z 1000Base-SX/LX	Yes	Yes
IEEE 802.3ab 1000Base-T	Yes	Yes
802.3ae 10 Gigabit Ethernet	Yes	Yes
802.3 CSMA/CD Access Method and Physical Layer Specifications	Yes	Yes
Layer 3		
Static Routing	No	No
Dynamic Routing	No	No
Security		
Port Mirroring	Yes	Yes
Admin Authentication Via RFC 2865 RADIUS	Yes	Yes
Management		
Telnet / SSH	Yes	Yes
SNMP v1/v2c/v3	Yes	Yes
CLI and web GUI interface	Yes	Yes
RFC and MIB Support		
RFC 2571 Architecture for Describing SNMP Framework	Yes	Yes
RFC 2131 DHCP	Yes	Yes
RFC 854 TELNET Server	Yes	Yes
RFC 2865 RADIUS	Yes	Yes
RFC 1643 Ethernet-like Interface MIB	Yes	Yes
RFC 3176 sFlow	Yes	Yes
RFC 1213 MIB-II	Yes	Yes
RFC 1354 IP Forwarding Table MIB	Yes	Yes
RFC 2572 SNMP Message Processing and Dispatching	Yes	Yes
RFC 1573 SNMP MIB II	Yes	Yes
RFC 1157 SNMPv1/v2c	Yes	Yes
RFC 2030 SNTp	Yes	Yes

SPECIFICATIONS

	FORTISWITCH-1024D	FORTISWITCH-1048D
Hardware Specifications		
Total Network Interfaces (Proposed)	24x GE/10 GE SFP+ ports	48x GE/10 GE SFP+ ports and 4x 40 GE QSFP+ ports
10/100/1000 Service Ports	1	1
RJ-45 Serial Console Port	1	1
Form Factor	1 RU Rack-Mount Appliance	1 RU Rack-Mount Appliance
System Specifications		
Switch Type	Web and CLI Managed	Web and CLI Managed
Switch Capacity	320 Gbps	640 Gbps
MAC Address Storage	128,000	128,000
Network Latency	< 1us	< 1us
VLANs Supported	4k	4k
Link Aggregation Group Size	up to 24	up to 24
Total Link Aggregation Groups	24	24
Dimensions		
Height x Width x Length (in)	1.71 x 17.26 x 18.11	1.71 x 17.26 x 18.11
Height x Width x Length (mm)	43.5 x 438.5 x 460	43.5 x 438.5 x 460
Weight	17.62 lbs (8 kg)	19.40 lbs (8.8 kg)
Environment		
Power Required	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz
Power Consumption (MAX)	up to 140 W	up to 215.3 W
Power Supply	Dual hot swappable AC	Dual hot swappable AC
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-13–158°F (-25–70°C)	-13–158°F (-25–70°C)
Humidity	10–90% RH non-condensing	10–90% RH non-condensing

ORDER INFORMATION

Product	SKU	Description
FortiSwitch-1024D	FS-1024D	L2 Switch — 24x 10 GE SFP+ slots, dual AC power supplies.
FortiSwitch-1048D	FS-1048D	L2 Switch — 48x 10 GE SFP+ slots, 4x 40 GE QSFP+ slots, dual AC power supplies.



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