Feature Matrix for FortiSwitchOS 7.6.5

The following table lists the FortiSwitch features in Release 7.6.5 that are supported on each series of FortiSwitch models. All features are available in Release 7.6.5, unless otherwise stated. Features marked with ✓ are supported by FortiSwitch units in standalone mode; features marked with 🔗 are supported in both standalone and in managed mode. Security Fabric features are available exclusively in managed mode when supported by the FortiOS version.

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
Security Fabric (exclusively in managed mode)														
Centralized configuration	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Centralized firmware management	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Automated detection and recommendations	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Syslog collection	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Device detection	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Network device detection	—	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Block intra-VLAN traffic (See note 7.)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Host quarantine	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Automation stitches (zero-touch provisioning automation)	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Integrated FortiGate network access control (NAC) function	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
NAC LAN segments (See note 12.)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
FortiGuard IoT identification	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of matching FortiClient EMS tags in NAC policies	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of matching IoT/OT vulnerabilities in NAC policies	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of matching FortiVoice tags in NAC policies	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
NAC: control of how long matched devices are kept	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
NAC and 802.1X on same port	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Dynamic port policies	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
DPP: control of how long matched devices are kept	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
FortiSwitch VLANs over VXLAN	—	—	—	—	—	—	—	—	—	—	🔗	🔗	🔗	🔗
FortiLink management over VXLAN	—	—	—	—	🔗	—	—	—	🔗	🔗	—	🔗	🔗	🔗
FortiView Internal Hubs	🔗	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
NAC device telemetry	—	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Inter-VLAN routing offload (See note 19.)	—	—	—	—	—	—	—	—	—	—	—	🔗	🔗	🔗
FortiLink Secure Fabric authentication	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
FortiLink Secure Fabric encryption	—	—	—	—	—	—	—	—	—	🔗	—	🔗 (1024E, T1024E, T1024F-FPOE, 1048G)	—	—
FortiLink using HTTPS	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Management and Configuration														
CPLD software upgrade support for OS	—	—	—	—	—	—	—	—	—	—	✓	—	—	—
Firmware image rotation (dual-firmware image support)	—	✓	✓	✓	✓	124F, 124F-POE, 124F-FPOE, 148E, 148E-POE, 148F, 148F-POE, 148F-FPOE	✓	✓	✓	✓	✓	✓	✓	✓
HTTP REST APIs for configuration and monitoring	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support for switch SNMP OID	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IP conflict detection and notification	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FortiEdge Cloud configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FortiSwitch Manager configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto topology	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Security and Visibility														
RADIUS for administrative authentication	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TACACS+ for administrative authentication	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
802.1X port mode	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1X MAC-based mode	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1X MAC-based mode: Wake-on-LAN	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User-based (802.1X) VLAN assignment	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1x: priority for dynamic or egress VLAN assignment	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
802.1X: MAB	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1X: MAB entry aging	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1X: limiting the number of MAB sessions	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tagged VLAN support for authserver-timeout	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
open-auth mode	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
MAC move	—	—	—	—	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
802.1X/MAB priority	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of the RADIUS accounting server	Partial	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of RADIUS CoA and disconnect messages	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
802.1X: RadSec (IPv4)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EAP pass-through	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IP-MAC binding (IPv4)	✓	—	—	—	—	—	—	—	—	🔗	—	🔗	🔗	🔗
sFlow (IPv4)	✓	🔗	🔗	🔗	🔗	🔗 (124F, 148E, 148F)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Flow export (IPv4)	✓	—	—	—	🔗	🔗 (124F, 148F)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
ACL (IPv4 ingress) (See note 16.)	✓	✓	✓	✓	🔗	✓	✓	🔗	🔗	🔗	✓	🔗	🔗	🔗
ACL (IPv6 ingress)	—	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
Multistage ACL (IPv4)	✓	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
Multiple ingress ACLs (IPv4)	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
ACL (IPv4 prelookup)	✓	—	—	—	✓	—	—	—	✓	✓	—	✓	✓	✓
ACL (IPv4 egress)	✓	—	—	—	✓	—	—	—	✓	✓	✓	✓	✓	✓
ACL service (IPv4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schedule for ACLs (IPv4)	—	—	—	—	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
Dynamic ACLs (IPv4)	—	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Dynamic ACLs: CoA (IPv4)	—	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
ACL: color marking (IPv4)	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
ACL: enhanced classifiers	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
ACL mirror	—	—	—	—	—	—	—	✓	✓	✓	—	✓	✓	✓
DHCP snooping (See note 15.)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
DHCPv6 snooping	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
DHCP-snooping static entries (IPv4)	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
DHCP-snooping option 82	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
DHCP-snooping monitor mode	—	—	—	—	✓	✓	✓	✓	✓	—	—	—	—	—
Allowed DHCP server list	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Flap guard	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IP source guard (IPv4)	✓	—	—	—	🔗	—	—	🔗	🔗	—	—	—	—	—
IP source-guard violation log (IPv4)	—	—	—	—	🔗	—	—	🔗	🔗	—	—	—	—	—
Dynamic ARP inspection (IPv4)	✓	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
ARP timeout value	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DAI: monitor ARP packets	—	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
RMON group 1	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reliable syslog	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Packet capture	🔗	🔗	🔗	🔗	🔗	🔗 (124F, 148E, 148F)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
MACsec: PSK mode (See note 6.)	✓	—	—	—	—	—	—	—	—	🔗	✓	🔗 (1024E, T1024E, T1024F-FPOE, 1048G)	—	—
MACsec: Dynamic-CAK mode (See note 6.)	✓	—	—	—	—	—	—	—	—	🔗	✓	🔗 (1024E, T1024E, T1024F-FPOE, 1048G)	—	—
MACsec: AWS Direct Connect support	—	—	—	—	—	—	–	–	—	—	–	✓ (1024E)	–	–
LINCE support	—	—	—	—	—	✓	✓	✓ (2xxE)	✓	—	–	✓	–	✓
OS image signature verification (See note 17.)	✓	🔗	🔗	—	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗	🔗
Network monitor	✓	—	—	—	✓	✓	✓	✓	✓	✓	–	✓	✓	✓
FIPS 140-3 (Level 1) and CC support (See note 27.)	—	—	—	—	✓	—	—	—	✓	—	✓	1024E, 1048E, T1024E, T1024F-FPOE	✓	3032E
Layer 2														
Link aggregation group size (maximum number of ports) (See note 2.)	✓	8	8	8	8	8	8	8	8	24/48	28/56	24/48	48	24/64
LAG min-max bundle	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
LACP fallback mode	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
IPv6 RA guard	—	✓	✓	✓	✓	—	—	✓	✓	✓	✓	✓	✓	✓
IGMP snooping (See note 23.)	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IGMP proxy	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
IGMP querier	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
MLD snooping	✓	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
MLD proxy	✓	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
MLD querier	✓	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
LLDP transmit	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
LLDP-MED	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
LLDP-MED: ELIN support	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
MAC learning limit (See note 3.)	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	—	—	—
Learning-limit violation log (See note 3.)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—
Learning-limit violation action	—	✓	✓	✓	✓	🔗	🔗	✓	✓	✓	✓	—	—	—
set mac-violation-timer	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Sticky MAC	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Warning when the layer-2 table is getting full	—	—	—	—	✓	—	—	✓	✓	✓	—	—	—	—
MSTP instances	—	0-32	0-32	0-32	0-32	0-32	0-32	0-32	0-32	0-64	0-64	0-64	0-64	0-64
STP root guard	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
STP BPDU guard	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Rapid PVST interoperation	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
VLANs supported by RPVST+	—	32	32	32	64	32	32	64	64	128	128	256	256	256
'forced-untagged' or 'force-tagged' setting on switch interfaces	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Private VLANs	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
Multi-stage load balancing	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
Priority-based flow control	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
Ingress pause metering	—	—	—	—	🔗	—	—	🔗	🔗	🔗	—	🔗 (1048E)	🔗	—
Storm control	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Per-port storm control	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Global burst-size control	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
Storm-control monitoring (See note 21.)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAC/IP/protocol-based VLAN assignment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Virtual wire	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
Loop guard	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Percentage rate control	🔗	—	—	—	🔗	—	—	🔗	🔗	🔗	—	🔗	🔗	🔗
VLAN stacking (QinQ)	✓	—	—	—	🔗	—	—	🔗	🔗	🔗	—	🔗	🔗	🔗
VLAN mapping (See note 13.)	✓	✓	✓	✓	✓	124F, 124F-POE, 124F-FPOE, 148F, 148F-POE, 148F-FPOE	✓	✓	✓	✓	—	✓	✓	✓
VLAN pruning	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
SPAN	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
RSPAN and ERSPAN (IPv4)	✓	🔗 (RSPAN)	🔗 (RSPAN)	🔗 (RSPAN)	🔗	—	—	🔗	🔗	🔗	🔗 (RSPAN)	🔗	🔗	🔗
FortiOS one-arm sniffer	—	🔗 (RSPAN)	🔗 (RSPAN)	🔗 (RSPAN)	🔗	—	—	🔗	🔗	🔗	🔗 (RSPAN)	🔗	🔗	🔗
Traffic policy (policer)	—	—	—	—	🔗	—	—	🔗	🔗	🔗	—	🔗	🔗	🔗
Flow control	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Layer 3														
VXLAN (hardware based) (See note 26.)	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓
VXLAN: STP virtual root	—	—	—	—	✓	—	—	—	✓	✓	—	✓	✓	—
VXLAN: ECMP	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
VXLAN: DHCP snooping	—	—	—	—	—	—	—	—	—	—	—	✓ (1024E, T1024E, T1024F-FPOE)	✓	✓
VXLAN: DHCPv6 snooping	—	—	—	—	—	—	—	—	—	—	—	✓ (1024E, T1024E, T1024F-FPOE)	✓	✓
VXLAN: QoS	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
VXLAN: IGMP snooping (IPv4)	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
SVI	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
RVI	—	—	—	—	🔗	—	—	—	🔗 (448E, 448E-FPOE, 448E-POE, 424E-Fiber)	🔗	🔗	🔗	🔗	🔗
Link monitor (IPv4/IPv6)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Static routing (IPv4/IPv6) (See note 9.)	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Software-based routing only (IPv4/IPv6)	✓	✓	✓	✓	—	✓	✓	—	—	—	✓ (IPv6)	—	—	—
Hardware-based routing (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
ECMP with hardware-based routing (IPv4/IPv6)	—	—	—	—	—	—	—	—	✓	✓	✓	✓	✓	✓
Static BFD (IPv4/IPv6)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ (IPv4)	✓	✓	✓
uRPF	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
DHCP relay (IPv4)	✓	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DHCP server (IPv4)	✓	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Layer 3: Requires Advanced Features License														
Policy-based routing (IPv4)	✓	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
VRF (IPv4/IPv6)	✓	—	—	—	—	—	—	—	—	🔗	🔗 (IPv4)	🔗	🔗	🔗
OSPF (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
BFD for OSPF (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
OSPF database overflow protection (IPv4)	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
OSPF graceful restart (IPv4, helper mode only)	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
OSPF: VRF support (IPv4)	✓	—	—	—	—	—	—	—	—	✓	✓	✓	✓	✓
RIP (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
BFD for RIP (IPv4/IPv6)	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
VRRP (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓ (IPv4)	✓	✓	✓
BGP (IPv4/IPv6)	—	—	—	—	✓	—	—	—	✓	✓	✓	✓	✓	✓
BFD for BGP (IPv4/IPv6)	—	—	—	—	✓	—	—	—	✓	✓	✓	✓	✓	✓
BGP: simplified fabric configuration	—	—	—	—	✓	—	—	—	✓	✓	✓	✓	✓	✓
IS-IS (IPv4/IPv6)	✓	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
BFD for IS-IS (IPv4/IPv6)	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓
PIM-SSM (IPv4) (See note 24.)	✓	—	—	—	✓	—	—	—	✓	✓	✓	✓	✓	✓
VXLAN: BGP EVPN	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓
VXLAN: BGP EVPN multihoming (See note 25.)	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
VXLAN: Duplicate address detection	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
VXLAN: ARP/ND suppression	—	—	—	—	—	—	—	—	—	—	—	✓	✓	✓
High Availability														

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
MCLAG (multichassis link aggregation group)	Partial	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
STP supported in MCLAGs	—	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IGMP snooping support in MCLAG	✓	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Layer-3 (IPv4) routing in MCLAG	—	—	—	—	VRRP and static	—	—	VRRP and static	VRRP and static	✓	—	✓	✓	✓
High-Availability Seamless Redundancy (HSR) (See note 20.)	—	—	—	—	✓	—	—	—	—	—	—	—	—	—
Parallel Redundancy Protocol (PRP) (See note 20.)	—	—	—	—	✓	—	—	—	—	—	—	—	—	—
MRP (See note 28.)	—	✓	✓	✓	✓	—	—	—	✓ (448E, 424E-Fiber)	—	—	—	—	—
MRP: 2 rings supported	—	✓	✓	✓	✓	—	—	—	✓ (448E, 424E-Fiber)	—	—	—	—	—
Quality of Service														
802.1p support, including priority queuing trunk and WRED (See note 18.)	✓	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
QoS queue counters	—	—	—	—	🔗	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Tail-drop policy	✓	—	—	—	✓	✓	✓	✓	✓	✓	🔗	✓	✓	✓
RED drop policy	✓	—	—	—	—	—	—	✓	—	—	—	—	—	—
WRED drop policy	✓	—	—	—	✓	—	—	—	✓	✓	🔗	✓	✓	✓
Egress drop mode	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
QoS marking (IPv4/IPv6)	—	—	—	—	✓	—	—	✓	✓	✓	🔗	✓	✓	✓
Summary of configured queue mappings	🔗	—	—	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Egress priority tagging (IPv4/IPv6)	—	—	—	—	🔗	—	🔗	🔗	🔗	🔗	—	🔗	🔗	🔗
ECN (IPv4/IPv6)	✓	—	—	—	🔗	—	—	—	🔗	🔗	—	🔗	🔗	🔗
Real-time egress queue rates (See note 11.)	—	—	—	—	✓	148F, 148F-POE, 148F-FPOE	✓	✓	✓	✓	🔗	✓	✓	✓
Miscellaneous														
PoE pre-standard detection (PoE models) (See note 1.)	—	🔗	🔗	🔗	🔗	🔗 (1xxE-POE)	🔗	🔗	🔗	🔗	—	🔗	—	—
PoE modes support: first come, first served or priority based (PoE models)	—	🔗	🔗	🔗	🔗	🔗 (1xxE-POE)	🔗	🔗	🔗	🔗	🔗	🔗	—	—
Perpetual PoE (PoE models) (See notes 1 and 14.)	—	—	✓	✓	✓	🔗	🔗	—	—	—	🔗	🔗	—	—
PoE disconnection type (PoE models)	—	—	—	—	✓	—	—	✓	✓	—	—	—	—	—
PoE max power mode (PoE models) (See note 22.)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
Split port (See note 5.)	Partial	—	—	—	—	—	—	—	—	🔗	—	🔗 (1024E, 1048E, T1024E, T1024F-FPOE)	—	🔗 (3032E)
TDR (time-domain reflectometer)/cable diagnostics support	🔗	🔗	🔗	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	—	—	—
Auto module max speed detection and notification	✓	—	—	—	—	—	✓	—	—	✓	✓	✓	✓	—
Monitor system temperature (threshold configuration and SNMP trap support) (See note 10.)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAC notification SNMP trap	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Add CLI to show the details of port statistics	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Configuration of the QSFP low-power mode	—	—	—	—	—	—	—	—	—	✓	—	✓	✓	✓
Energy-efficient Ethernet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—
PHY Forward Error Correction (See note 4.)	—	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓
PTP version-2 transparent clock (IPv4/IPv6) (See note 8.)	—	—	—	—	🔗	—	—	🔗 (224D, 224E)	🔗	🔗	—	🔗	🔗	🔗
PTP layer-2 boundary clock (See note 8.)	—	—	—	—	✓	—	—	—	✓ (424E-Fiber, 448E, 448E-POE, 448E-FPOE)	—	—	—	—	—
Use PTP to synchronize system clock	—	—	—	—	✓	—	—	—	✓ (424E-Fiber, 448E, 448E-POE, 448E-FPOE)	—	—	—	—	—
Alias commands	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automation stitches	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automation stitches: triggered by storm-control drop rate	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automation stitches: custom automation actions	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multiple path traceroute	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wake-on-LAN packets	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Save event log in flash memory	—	—	—	—	✓	—	—	✓	✓	✓	—	✓	✓	✓
max-frame-size (in bytes)	—	68-9412	68-9412	68-10000	68-9216	68-10000	68-10000	68-9216	68-9216	68-12000	68-9412	1048E: 68-9412 1024E, T1024E, T1024F-FPOE: 68-12284	68-9412	68-9412
Support of 128 ports plus internal and mgmt	—	—	—	—	—	—	—	—	—	—	—	✓ (1048E)	—	✓
NTP server (IPv4/IPv6)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Feature	GUI Supported	FSR-108F	FSR-112F-POE	FSR-216F-POE	FSR-424F-POE	1xxE, 1xxF	110G-FPOE, 124G, 124G-FPOE	200 Series	4xxE	500 Series	6xxF	1024E, 1048E, 1048G, T1024E, T1024F-FPOE	2048F	3032E, 3032G
CLI command reports if BIOS and firmware signatures are valid	—	✓	✓	✓	✓	✓	✓	✓ (except 224D-FPOE and 248D)	✓	—	✓	✓	✓	✓
Airflow shown in GUI	✓	—	—	—	—	—	—	—	—	—	—	—	✓	—

Notes

1. PoE features are applicable only to the model numbers with a POE or FPOE suffix.
2. The 24-port LAG is applicable to FS-524D and FS-524-FPOE models. The 48-port LAG is applicable to FS-548D and FS-548-FPOE models.
3. The per-VLAN MAC learning limit is not supported on the FS-108F, FS-108F-POE, FS-108F-FPOE, FS-110G-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-124G, FS-124G-FPOE, FS-248E-POE, FS-248E-FPOE, and FS-248D models. The per-trunk MAC learning limit is not supported on the FS-248E-POE, FS-248E-FPOE, and FS-248D models.
4. Supported for 25-Gbps and 100-Gbps ports.
5. On the FS-3032E, you can split one port at the full base speed, split one port into four sub-ports of 25-Gbps each (100G QSFP only), or split one port into four sub-ports of 10-Gbps each (40G or 100G QSFP).
6. Supported on the 10G ports on the FS-5xxD models, the 10G and 100G ports on the FS-1024E model, the 100G ports on the FS-T1024E model, all ports on the FS-624F, FS-624F-FPOE, and FS-1048G models, and all ports except ports 53 to 56 on the FS-648F and FS-648F-FPOE models. In FortiLink mode, MACsec can be enabled on the inter-switch link (ISL) by the FortiLink secure fabric.
7. The maximum number of access VLANs on the FS-1xxE, FS-108F, and FS-124F models is 16; the maximum number of access VLANs on the FS-148F and FS-1xxG models is 32; the maximum number of access VLANs on the FSR-1xxF, FSR-216F-POE, and FS-6xxF models is 50. For all other models, the maximum number of access VLANs is 4,095, but VLAN 4094 cannot be used.
8. The FSR-424F-POE model supports PTP transparent clock with IPv4 addresses only. The FSR-424F-POE, FS-424E-Fiber, FS-448E, FS-448E-POE, and FS-448E-FPOE models support layer-2 PTP transparent clock using the peer-to-peer mode, as well as layer-2 and layer-3 PTP transparent clock using the end-to-end mode. The FSR-424F-POE, FS-424E-Fiber, FS-448E, FS-448E-POE, and FS-448E-FPOE models support the layer-2 PTP boundary clock. The FS-224D and FS-224E models support layer-2 PTP transparent clock using the end-to-end mode.
9. In managed mode, static routing is supported on IPv4 only.
10. This feature is not supported by the FS-108F, FS-108F-POE, FS-108F-FPOE, FS-124E, FS-124F, and FS-224E models.
11. The FS-110G-FPOE, FS-124G, FS-124G-FPOE, FS-148F, FS-148F-POE, and FS-148F-FPOE models report the drop rate as 0 or +VE for a positive rate.
12. There are some limitations on LAN segments on the FSR-216F-POE, FS-108F, FS-108F-POE, FS-108F-FPOE, FSR-108F, FSR-112F-POE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-148E, and FS-148E-POE models. See the *FortiLink Guide* for details.
13. Partial VLAN mapping is supported by the FSR-108F, FS-110G-FPOE, FSR-112F-POE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-124G, FS-124G-FPOE, FS-148F, FS-148F-POE, FS-148F-FPOE, and FSR-216F-POE models. See the *FortiSwitchOS Administration Guide* for details.
14. This feature is available on the following FS-1xxE and FS-1xxF models: FS-108E-POE, FS-108E-FPOE, FS-108F-POE, FS-108F-FPOE, FS-124E-POE, FS-124E-FPOE, and FS-148E-POE. When the FortiSwitch unit is using `poe-port-power perpetual-fast`, the following BIOS versions are required: 4000014 or higher for FS-124E-POE, and FS-124E-FPOE; 4000011 or higher for FS-148E-POE; 4000006 or higher for FS-108F-FPOE; and 4000007 or higher for FS-108F-POE.
15. The FS-1xxE, FS-1xxF, FS-1xxG, FSR-1xxF, and FSR-216F-POE models allow you to enable DHCP snooping on a maximum of 25 VLANs. The FS-6xxF series models allow you to enable DHCP snooping on a maximum of 16 VLANs. All other models allow you to enable DHCP snooping on a maximum of 4,096 VLANs.
16. Only the ACL ingress policy is supported in FortiLink mode. The following FortiSwitch models do not support ACL in FortiLink mode: FS-108F, FS-108F-POE, FS-108F-FPOE, FS-110G-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-124G, FS-124G-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE, FS-624F, FS-624F-FPOE, FS-648F, FS-648F-FPOE, FSR-108F, FSR-112F-POE, and FSR-216F-POE.
17. OS image signature verification is not supported on the FS-224D-FPOE and FS-248D models.
18. The FS-1xxE, FS-1xxF, FS-110G-FPOE, FS-124G, and FS-124G-FPOE models support a single QoS map. If there is more than one QoS map, the first configured map is used.
19. Inter-VLAN routing offload requires an advanced features license.
20. HSR and PRP can also be used with FortiLink. For more details, see the *FortiLink Guide*.
21. The FS-1xxE, FS-1xxF, FS-110G-FPOE, FS-124G, and FS-124G-FPOE models do not support the `set storm-control-high-rate` or `storm-control-rate-filter` commands.
22. A maximum of 60 W is available only on the FS-6xxF Series, FS-T1024F-FPOE, and FS-110G-FPOE models.
23. On FSR-108F and the FS-1xxE/F/G series, IGMP snooping can be enabled on a maximum of 6 VLANs.
24. PIM is supported only on the switch virtual interfaces (SVIs) for the FS-624F, FS-624F-FPOE, FS-648F, and FS-648F-FPOE models.

25. The FS-1048G and FS-3032G models do not have a limitation on the number of VLANs in the VXLAN Ethernet segment identifier.
26. The FS-1048E and FS-3032E models do not support the VXLAN Ethernet segment identifier. Starting in FortiSwitchOS 7.6.4, the FS-1048G and FS-3032G models support the VXLAN Ethernet segment identifier.
27. For more details, see the *FIPS 140-3 (Level 1) and CC Support Technical Note*.
28. To deploy MRP with FortiLink, see Appendix A, “Configuring the Media Redundancy Protocol,” of the *FortiLink Guide*.