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The following table lists the FortiSwitch features in Release 7.0.3 that are supported on each series of FortiSwitch models. All features are available in Release 7.0.3, unless otherwise stated. Features marked with ✓ are supported by FortiSwitch units in standalone mode; features marked with  are supported in both standalone and in FortiLink mode. Security Fabric features are available exclusively in FortiLink mode.
























Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
<b>Security Fabric (exclusively in FortiLink mode)</b>									
Centralized configuration									
Centralized firmware management									
Automated detection and recommendations									
Syslog collection	—								
Device detection									
Network device detection	—	—		—					
Block intra-VLAN traffic (See Note 8.)									
Host quarantine									
Integrated FortiGate network access control (NAC) function									
NAC LAN segments	—	—		 (124F, 124F-POE, 124F-FPOE, 148F, 148F-POE, 148F-FPOE)					

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
FortiGuard IoT identification									
Support of matching FortiClient EMS tags in NAC policies									
Dynamic port policies									
<b>Management and Configuration</b>									
CPLD software upgrade support for OS	—	—	—	—	—	—	—	1024D, 1048D	—
Firmware image rotation (dual-firmware image support)	—	✓	✓	124F, 148E, 148E-POE, 148F	✓	✓	✓	✓	✓
HTTP REST APIs for configuration and monitoring	—	✓	✓	✓	✓	✓	✓	✓	✓
Support for switch SNMP OID									
IP conflict detection and notification	✓	✓	✓	✓	✓	✓	✓	✓	✓
FortiSwitch Cloud configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto topology	—								
<b>Security and Visibility</b>									
802.1x port mode									
802.1x MAC-based security mode									
User-based (802.1x) VLAN assignment									
802.1x enhancements, including MAB									
MAB reauthentication disabled	—	✓	✓	✓	✓	✓	✓	✓	✓
open-auth mode									
allow-mac-move	—	—	✓	—	—	✓	✓	1024D, 1048D	3032D

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
Support of the RADIUS accounting server	Partial	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Support of RADIUS CoA and disconnect messages	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
EAP pass-through	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IP-MAC binding (IPv4)	✓	—	—	—	—	—	🔗	🔗	🔗
sFlow (IPv4)	✓	🔗	🔗	🔗 (124F, 148E, 148F)	🔗	🔗	🔗	🔗	🔗
Flow export (IPv4)	✓	—	🔗	—	🔗	🔗	🔗	🔗	🔗
ACL (IPv4)	✓	—	✓	✓	✓	✓	✓	✓	✓
Multistage ACL (IPv4)	✓	—	—	—	—	—	✓	✓	✓
Multiple ingress ACLs (IPv4)	✓	—	✓	—	✓	✓	✓	✓	✓
Schedule for ACLs (IPv4)	—	—	✓	✓	✓	✓	✓	✓	✓
Dynamic ACLs	—	—	✓	✓	✓	✓	✓	✓	✓
DHCP snooping (See Note 12.)	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
DHCPv6 snooping	✓	—	—	—	✓	✓	✓	✓	✓
Allowed DHCP server list	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
IP source guard (IPv4)	✓	—	🔗	—	🔗	🔗	—	—	—
IP source-guard violation log	—	—	✓	—	✓	✓	—	—	—
Dynamic ARP inspection (IPv4)	✓	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
ARP timeout value	—	✓	✓	✓	✓	✓	✓	✓	✓
RMON group 1	—	✓	✓	✓	✓	✓	✓	✓	✓
Reliable syslog	—	✓	✓	✓	✓	✓	✓	✓	✓
Packet capture	🔗	—	🔗	—	🔗	🔗	🔗	🔗	🔗

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
MACsec (See Note 7.)	—	—	—	—	—	—	✓	—	—
FIPS 140-2 (Level 2) support	—	—	—	—	 (424E, 424E-FPOE, M426E-FPOE, 424E-Fiber, 448E, 448E-FPOE)	—	—	 (1024E, 1048E, T1024E)	 (3032E)
<b>Layer 2</b>									
Link aggregation group size (maximum number of ports) (See Note 2.)	✓	8	8	8	8	8	24/48	24/48	24/64
LAG min-max bundle	—								
IPv6 RA guard	—	—	—	—	✓	✓	✓	✓	✓
IGMP snooping	✓								
IGMP proxy	✓								
IGMP querier	—								
MLD snooping	—	—	—	—	—	—	✓	✓	✓
MLD proxy	—	—	—	—	—	—	✓	✓	✓
MLD querier	—	—	—	—	—	—	✓	✓	✓
LLDP transmit	—								
LLDP-MED	—								
LLDP-MED: ELIN support	✓								
Per-port max for learned MACs	—	—						—	—
MAC learning limit (See Note 4.)	—							—	—
Learning-limit violation log (See Note 4.)	✓							—	—

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
Learning-limit violation action	—	✓	✓	✓	✓	✓	✓	—	—
set mac-violation-timer	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Sticky MAC	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Warning when the layer-2 table is getting full	—	—	✓	—	✓	✓	✓	—	—
MSTP instances	—	0-15	0-15	0-15	0-15	0-15	0-32	0-32	0-32
STP root guard	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
STP BPDU guard	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Rapid PVST interoperation	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
'forced-untagged' or 'force-tagged' setting on switch interfaces	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Private VLANs	✓	—	✓	—	✓	✓	✓	✓	✓
Multi-stage load balancing	—	—	—	—	—	—	—	✓	✓
Priority-based flow control	—	—	—	—	—	—	✓	✓	✓
Ingress pause metering	—	—	—	—	🔗	🔗	🔗	🔗	🔗 (3032D)
Storm control	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Per-port storm control	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Global burst-size control	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
MAC/IP/protocol-based VLAN assignment	✓	✓	✓	✓	✓	✓	✓	✓	✓
Virtual wire	✓	—	✓	—	✓	✓	✓	✓	✓
Loop guard	✓	🔗	🔗	🔗	🔗	🔗	🔗	🔗	🔗
Percentage rate control	🔗	—	🔗	—	🔗	🔗	🔗	🔗	🔗

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
VLAN stacking (QnQ)	✓	—	✓	—	✓	✓	✓	✓	✓
VLAN mapping	✓	—	✓	—	✓	✓	✓	✓	✓
SPAN	✓								
RSPAN and ERSPAN (IPv4)	✓	 (RSPAN)		—					
Flow control	—								
MRP	—	✓	✓	—	—	—	—	—	—
<b>Layer 3</b>									
Link monitor (IPv4)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Static routing (IPv4/IPv6) (See Note 10.)	✓	—	✓	✓	✓	✓	✓	✓	✓
Hardware routing offload (IPv4/IPv6)	✓	—	✓	—	✓	✓	✓	✓	✓
Software routing only (IPv4/IPv6)	✓	✓	—	✓	—	—	—	—	—
Policy-based routing (IPv4)	—	—	—	—	✓	✓	✓	✓	✓
OSPF (IPv4/IPv6) (See Note 3.)	✓	—	—	—	✓	✓	✓	✓	✓
OSPF database overflow protection (IPv4)	—	—	—	—	✓	✓	✓	✓	✓
OSPF graceful restart (helper mode only) (IPv4)	—	—	—	—	✓	✓	✓	✓	✓
OSPF: VRF support (IPv4)	—	—	—	—	—	—	✓	✓	✓
RIP (IPv4/IPv6) (See Note 3.)	✓	—	—	—	✓	✓	✓	✓	✓
VRRP (IPv4/IPv6) (See Note 3.)	✓	—	—	—	✓	✓	✓	✓	✓
BGP (IPv4/IPv6) (See Note 3.)	—	—	—	—	—	—	✓	✓	✓
IS-IS (IPv4/IPv6) (See Note 3.)	—	—	—	—	✓	✓	✓	✓	✓
PIM (IPv4) (See Note 3.)	✓	—	—	—	—	—	✓	✓	✓

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
Hardware-based ECMP (IPv4/IPv6)	—	—	—	—	—	—	✓	✓	✓
VRF (IPv4/IPv6)	—	—	—	—	—	—	✓	✓	✓
Static BFD (IPv4/IPv6)	✓	✓	✓	✓	✓	✓	✓	✓	✓
BFD for BGPv6	—	—	—	—	—	—	✓	✓	✓
BFD for RIPng	—	—	—	—	✓	✓	✓	✓	✓
uRPF	—	—	—	—	—	—	✓	✓	✓
DHCP relay (IPv4)	✓	—	✓	✓	✓	✓	✓	✓	✓
DHCP server (IPv4)	✓	—	—	—	✓	4xx only	✓	✓	✓
<b>High Availability</b>									
MCLAG (multichassis link aggregation)	Partial	—	—	—	🔗	🔗	🔗	🔗	🔗
STP supported in MLAGs	—	—	—	—	🔗	🔗	🔗	🔗	🔗
IGMP snooping support in MLAG	✓	—	—	—	🔗	🔗	🔗	🔗	🔗
Layer-3 (IPv4) routing in MLAG	—	—	—	—	VRRP and static	VRRP and static	✓	✓	✓
<b>Quality of Service</b>									
802.1p support, including priority queuing trunk and WRED	✓	—	🔗	🔗	🔗	🔗	🔗	🔗	🔗
QoS queue counters	—	—	🔗	—	🔗	🔗	🔗	🔗	🔗
Tail-drop policy	✓	✓	✓	✓	✓	✓	✓	✓	✓
RED drop policy	✓	—	✓	—	—	✓	—	—	—
WRED drop policy	✓	—	—	—	✓	—	✓	✓	✓
Egress drop mode	—	—	—	—	—	—	✓	✓	✓
QoS marking (IPv4/IPv6)	—	—	✓	—	✓	✓	✓	✓	✓

Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
Summary of configured queue mappings		—							
Egress priority tagging (IPv4/IPv6)	—	—		—					
ECN (IPv4/IPv6)	✓	—	—	—		—			
Real-time egress queue rates	—	—	—	—	—	✓	✓	✓	✓
<b>Miscellaneous</b>									
PoE-pre-standard detection (See Note 1.)	—			 (1xxE-POE)				—	—
PoE modes support: first come, first served or priority based (PoE models)	—			 (1xxE-POE)				—	—
Split port (See Note 6.)	Partial	—	—	—	—	—		 (1048E)	
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 11.)	—	✓	✓	✓	✓	✓	✓	✓	✓
Cut-through switching	—	—	—	—	—	—	—	1024D, 1048D	3032D
Add CLI to show the details of port statistics	—								
Configuration of the QSFP low-power mode	—	—	—	—	—	—	✓	1024E, 1048D, 1048E, T1024E	✓
Energy-efficient Ethernet	✓	✓	✓	✓	✓	✓	✓	—	—
PHY Forward Error Correction (See Note 5.)	—	—	—	—	—	—	—	1024E, 1048E, T1024E	3032E
PTP transparent clock (IPv4/IPv6) (See Note 9.)	—	—	—	—				 (1024E, 1048E, T1024E)	



Feature	GUI Supported	112D-POE	FSR-124D	1xxE, 1xxF	4xxE	200 Series, 400 Series	500 Series	1024D, 1024E, 1048D, 1048E, T1024E	3032D, 3032E
Alias commands	—	✓	✓	✓	✓	✓	✓	✓	✓

## Notes

- PoE features are applicable only to the model numbers with a POE or FPOE suffix.
- The 24-port LAG is applicable to FS-524D, FS-524-FPOE, FS-1024D, and FS-3032D models. The 48-port LAG is applicable to FS-548D, FS-548-FPOE, and FS-1048D models.
- To use the dynamic layer-3 protocols, you must have an advanced features license.
- The per-VLAN MAC learning limit is not supported on the FS-108E, FS-108E-POE, FS-108E-FPOE, FS-108F, FS-108F-POE, FS-108F-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-448D, FS-448D-POE, FS-448D-FPOE, FS-248E-POE, FS-248E-FPOE, and FS-248D models. The per-trunk MAC learning limit is not supported on the FS-448D, FS-448D-POE, FS-448D-FPOE, FS-248E-POE, FS-248E-FPOE, and FS-248D models.
- Supported only in 100G mode (clause 91).
- 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).
- Supported on FS-5xxD 10G ports.
- The maximum number of access VLANs on the FS-1xxE, FS-108F, FS-108F-POE, and FS-108F-FPOE models is 16; the maximum number of access VLANs on the FS-148F models is 32.
- PTP is not supported on the FS-248E, FS-248E-POE, FS-248E-FPOE, FS-448D, FS-448D-POE, and FS-448D-FPOE models.
- In FortiLink mode, static routing is supported exclusively for system management and connectivity to Security Fabric connectors.
- This feature is not supported by the FS-108E, FS-108E-POE, FS-108E-FPOE, FS-108F, FS-108F-POE, FS-108F-FPOE, FS-124E, FS-124F, and FS-224E models.
- The 1xx models allow you to enable DHCP snooping on a maximum of 25 VLANs.

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